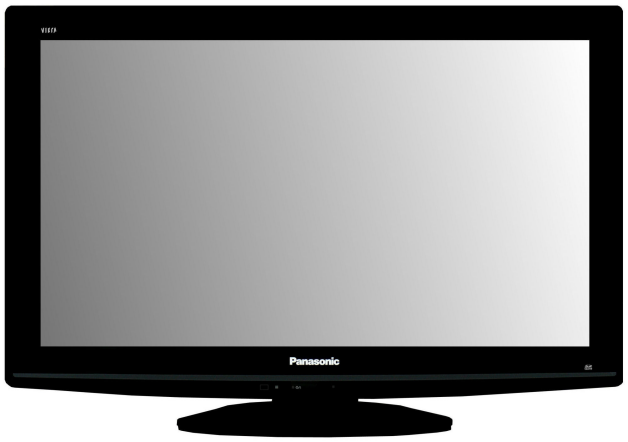
ORDER No. PCZ0903045CE

Service Manual

Colour LCD Television



TX-L32S10B
TX-L32S10E
TX-L32S10L
TX-L37S10B
TX-L37S10E
TX-L37S10L
TX-LF32S10
TX-LF37S10

GLP24 Chassis

Specifications

(Informations in brackets [ ] refers to model 32")

Power Source:	220-240V AC, 50Hz
Power Consumption	130W [115W]
Stand-by Power Consumption:	0.3W (Without monitor out recording) 13W (With monitor out recording)
Aerial Impedance:	75Ω unbalanced, Coaxial Type

Receiving System:

S10B	**S10E,S10L,LFS10**
PAL-I	PAL-I/H, B/G, D/K
PAL-525/60 (AV only)	SECAM B/G, D/K, L/L'
DVB-T (via UHF aerial input)	PAL-525/60 (AV only)
M.NTSC (AV only)	DVB-T (via VHF/UHF aerial input)
NTSC (AV only)	DVB-C (Digital cable services)
	M.NTSC (AV only)
	NTSC (AV only)

Receiving Channels:

S10B	**S10E,S10L,LFS10**	
UHF E21-E68	VHF E2-E12	VHF H1-H2 (ITALY)
	VHF A-H (ITALY)	VHF R1-R2
	VHF R3-R5	VHF R6-R12
	UHF E21-E69	CATV (S01-S05)
	CATV S1-S10 (M1-M10)	CATV S11-S20 (U1-U10)
	CATV S21-S41 (Hyperband)	VHF A-J (IRELAND)

Operating Conditions:
Temperature: 0°C ÷ 35°C
Humidity: 20% ÷ 80% RH (non condensing)

PC signals:
VGA, SVGA, XGA, SXGA(compressed)

Horizontal scanning frequency	31 – 69 kHz
Vertical scanning frequency	59 – 86 Hz

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Intermediate Frequency:

Video/Audio	**S10B**	**S10E,S10L,LFS10**
Video	38,9MHz	38,9MHz, 33,9MHz
Audio	32.90MHz 32.35MHz(NICAM)	33,4MHz (B/G), 33,16MHz (A2) 33,05MHz (NICAM B/G, D/K, L') 32,4MHz (D/K), 32,66MHz (CZ STEREO) 40,4MHz (L'), 39,75MHz (L' NICAM) 32,90 I, 32.35MHz (NICAM)
Colour	34,47MHz	34,47MHz (PAL) 34,5MHz, 34,65MHz (SECAM) 38,3MHz, 38,15MHz (SECAM L')

Terminals:

AV1 IN	Video (21 pin) 1V p-p 75Ω Audio (21 pin) 500mV rms 10kΩ RGB (21 pin) 0,7V p-p 75Ω
AV1 OUT	Video (21 pin) 1V p-p 75Ω Audio (21 pin) 500mV rms 1kΩ
AV2 IN	Video (21 pin) 1V p-p 75Ω Audio (21 pin) 500mV rms 10kΩ RGB (21 pin) 0,7V p-p 75Ωč S-video IN (21-pin) Y: 1V p-p 75Ω C:0,3V p-p 75Ω
AV2 OUT	Video (21 pin) 1V p-p 75Ω Audio (21 pin) 500mV rms 1kΩ
AV3 IN	S-Video IN (4-pin) Y: 1V p-p 75Ω C:0,286V p-p 75Ω Audio (RCAx2) 500mV rms 10kΩ (used for HDMI3 AUDIO) Video (RCAx1) 1V p-p 75Ω
HDMI1, HDMI2, HDMI3	Type A Connector
COMPONENT	Video (RCAx3) Y:1V p-p 75Ω (including synchronization) Pb, Pr: ±0,35V p-p 75Ω
AUDIO IN	Audio (RCAx2) 500mV rms 10kΩ (used for HDMI1, COMPONENT-AUDIO)
AUDIO OUT	Audio (RCAx2) 500mV rms 1kΩ (high Impedance)
DIGITAL AUDIO OUT	PCM / Dolby Digital / DTS , Fiber optic
CARD SLOT	SD CARD slot ×1
PC	HIGH-DENSITY D_SUB 15PIN R,G,B: 700mV p-p 75Ω HD,VD:TTL Level 2-5V p-p (high impedance)

LCD screen: L5EDD9T00009 [L5EDD8T00004]
1920 x 1080 XGA, 16:9
Visible Diagonal 940mm [800mm]

Audio Output: 20W (2x10W), 10% THD

Headphones: 3,5mm (M3), 8Ω Impedance

Accessories supplied : Remote Control 2 x R6 (UM3) Batteries

Dimensions:

	Height:	Width:	Depth:
Including TV stand	620mm [551mm]	915mm [798mm]	287mm [217mm]
TV set only	577mm [511mm]	915mm [798mm]	97mm [93mm]

Net weight:

Including TV stand	16.5kg [13.0kg]
TV set only	14.5kg [11.5kg]

Specifications are subject to change without notice.
Weights and dimensions shown are approximate.

⚠ Warning

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potencial dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products deal within this service information by anyone else could result in serious injury or death.

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Safety Precautions

General Guide Lines

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following touch current checks to prevent the customer from being exposed to shock hazards.
4. Always ensure panel TKP0E16001 is correctly replaced before returning to customer (see Fig.1).

Fig. 1

Touch-Current Check

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a measuring network for touch currents between each exposed metallic part on the set and a good earth ground such as a water pipe, as shown in Fig. 2.
3. Use Leakage Current Tester (Simpson 228 or equivalent) to measure the potential across the measuring network.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reserve the AC plug in the AC outlet and repeat each of the above measure.
6. The potential at any point (TOUCH CURRENT) expressed as voltage U1 and U2, does not exceed the following values:
   For a. c.: U1 = 35 V (peak) and U2 = 0.35 V (peak);
   For d. c.: U1 = 1.0 V,
   Note:
   The limit value of U2 = 0.35 V (peak) for a. c. and U1 = 1.0 V for d. c. correspond to the values 0.7 mA (peak) a. c. and 2.0 mA d. c.
   The limit value U1 = 35 V (peak) for a. c. correspond to the value 70 mA (peak) a. c. for frequencies greater than 100 kHz.
7. In case a measurement is out of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

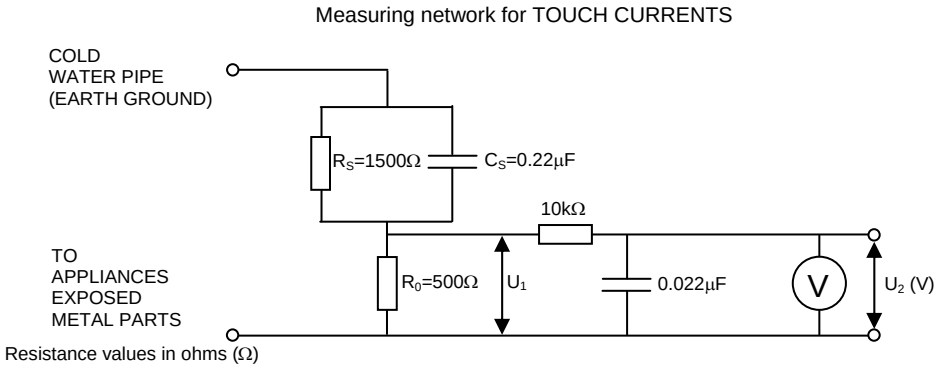


Fig. 2

Prevention of Electrostatic Discharge (ESD) to Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by electrostatic discharge (ESD).

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge build up or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static (ESD protected)" can generate electrical charge sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
   Caution
   Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device).

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety.
These parts are marked by ⚠ in schematic diagrams, exploded views and replacement parts list. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire, or other hazards. Do not modify the original design without permission of manufacturer.

About lead free solder (PbF)

Note: Lead is listed as (Pb) in the periodic table of elements.
In the information below, Pb will refer to Lead solder, and PbF will refer to Lead Free Solder.
The Lead Free Solder used in our manufacturing process and discussed below is (Sn+Ag+Cu).
That is Tin (Sn), Silver (Ag) and Copper (Cu) although other types are available.

This model uses Pb Free solder in it's manufacture due to environmental conservation issues. For service and repair work, we'd suggest the use of Pb free solder as well, although Pb solder may be used.
PCBs manufactured using lead free solder will have the PbF within a leaf Symbol

PbF stamped on the back of PCB.

Caution

- Pb free solder has a higher melting point than standard solder. Typically the melting point is 50 ~ 70 °F (30~40°C) higher. Please use a high temperature soldering iron and set it to 700 ± 20 °F (370 ± 10 °C).
- Pb free solder will tend to splash when heated too high (about 1100 °F or 600 °C).
  If you must use Pb solder, please completely remove all of the Pb free solder on the pins or solder area before applying Pb solder. If this is not practical, be sure to heat the Pb free solder until it melts, before applying Pb solder.
- After applying PbF solder to double layered boards, please check the component side for excess solder which may flow onto the opposite side. (see Fig.3)

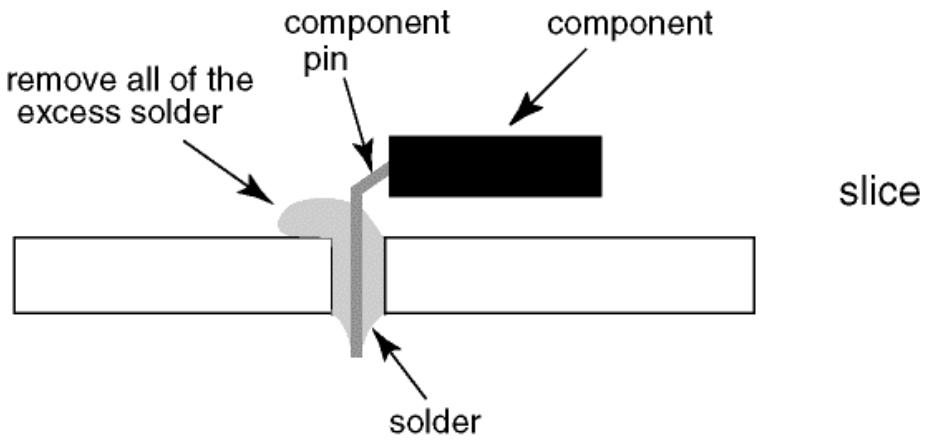


Fig.3

Suggested Pb free solder

There are several kinds of Pb free solder available for purchase. This product uses Sn+Ag+Cu (tin, silver, copper) solder. However, Sn+Cu (tin, copper), Sn+Zn+Bi (tin, zinc, bismuth) solder can also be used. (see Fig.4)

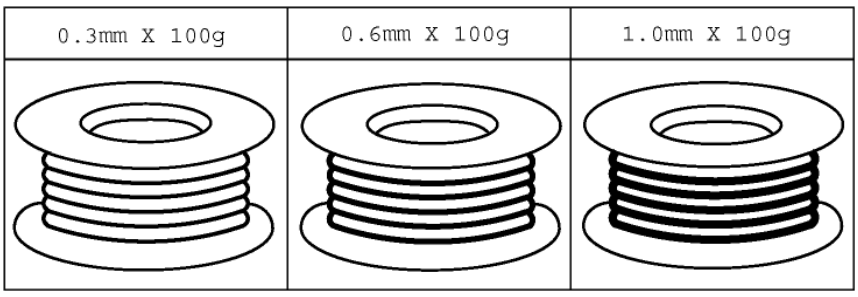


Fig.4

Applicable Signals

Component (Y, Pb, Pr), **HDMI**

Signal name	COMPONENT	HDMI
525 (480) / 60i	*	*
525 (480) / 60p	*	*
625 (576) / 50i	*	*
625 (576) / 50p	*	*
750 (720) / 60p	*	*
750 (720) / 50p	*	*
1,125 (1,080) / 60i	*	*
1,125 (1,080) / 50i	*	*
1,125 (1,080) / 60p		*
1,125 (1,080) / 50p		*
1,125 (1,080) / 24p		*

PC (from D-sub 15P) Applicable input signal for PC is basically compatible to VESA standard timing.

Signal name	Horizontal frequency (kHz)	Vertical frequency (Hz)
640 × 400 @70 Hz	31.47	70.07
640 × 480 @60 Hz	31.47	59.94
640 × 480 @75 Hz	37.50	75.00
800 × 600 @60 Hz	37.88	60.32
800 × 600 @75 Hz	46.88	75.00
800 × 600 @85 Hz	53.67	85.06
852 × 480 @60Hz	31.44	59.89
1,024 × 768 @60Hz	48.36	60.00
1,024 × 768 @70Hz	56.48	70.07
1,024 × 768 @75Hz	60.02	75.03
1,024 × 768 @85Hz	68.68	85.00
1,280 × 768 @60Hz	47.70	60.00
1,280 × 1,024 @60Hz	63.98	60.02
1,366 × 768 @60Hz	48.39	60.04
Macintosh 13“ (640 × 480)	35.00	66.67
Macintosh 16“ (832 × 624)	49.73	74.55
Macintosh 21“ (1,152 × 870)	68.68	75.06

PC (from HDMI terminal) Applicable input signal for PC is basically compatible to HDMI standard timing.

Signal name	Horizontal frequency (kHz)	Vertical frequency (Hz)
640 × 480 @60 Hz	31.47	60.00
750 (720) / 60p	45.00	60.00
1,125 (1,080) / 60p	67.50	60.00

Note:

- Signals other than above may not be displayed properly.
- The above signals are reformatted for optimal viewing on your display.
- PC signal is magnified or compressed for display, so that it may not be possible to show fine detail with sufficient clarity.

Service Hints

How to remove the backcover

Remove the 19 fixing screws. (see Fig.5)

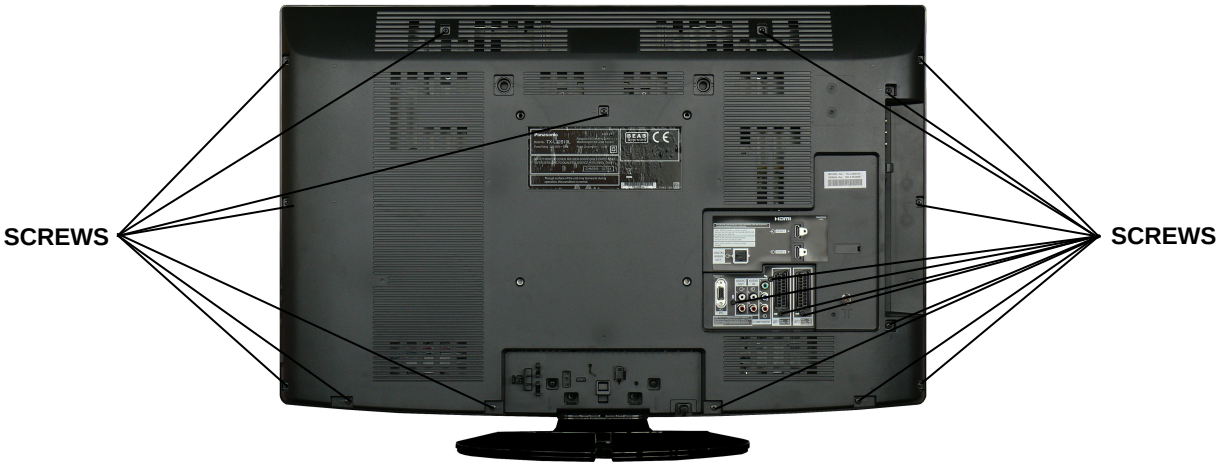


Fig.5

How to remove the Pedestal assembly

Lay the main unit face down. (see Fig.6)

Fig.6

Remove the 4 fixing screws and the pedestal assembly. (see Fig.7)

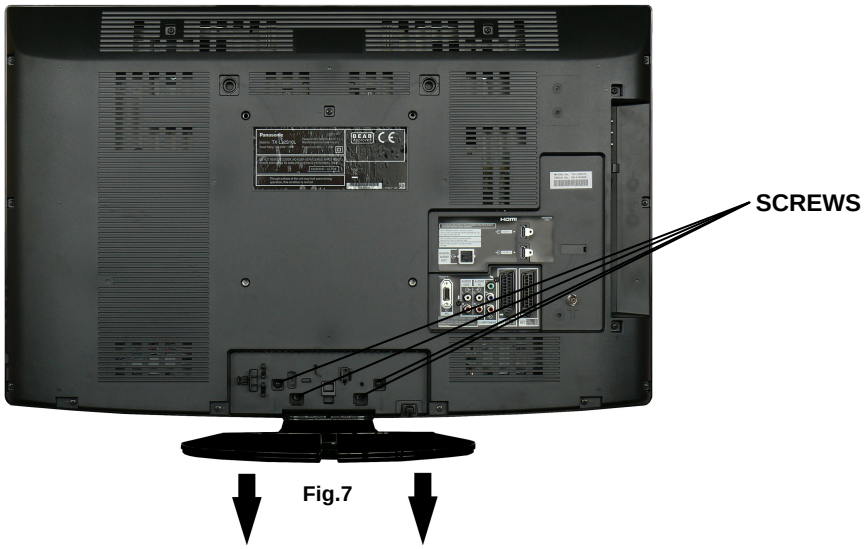
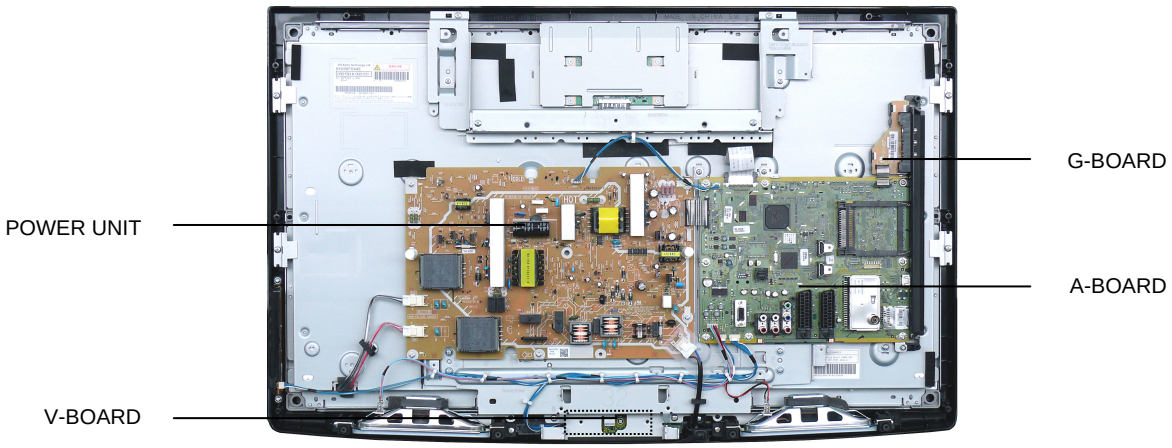


Fig.7

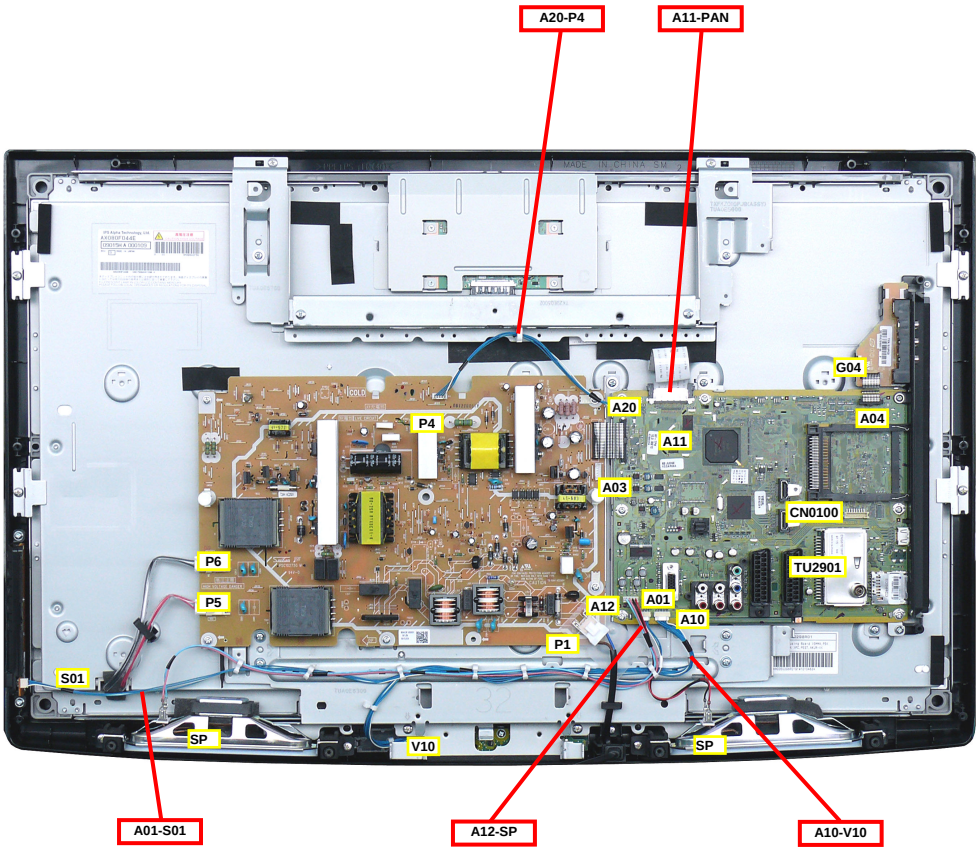
Chassis Board Layout



Board Name	Function
A-Board	Tuner, PC, AVSW,Peaks-AVC,HDMI,CI Slot, Global Core, GENX, AV Terminal, SD Slot, Speaker out, ADV
Power Unit	Power Supply, Main Input
V-Board	Remote Receiver, Bats, R/G LED
G-Board	Side AV Connector

Location of Lead Wiring

To find the Part Number of required wire in Replacement Parts List click on the wire name in red box.



Setting Inspection
Voltage Confirmation

Confirm the following voltages:

A board	TP No.	Voltage
5VS	TP2765	5.6V +/- 0.25V
SUB_ TNR_6V	TP2770	5.6V +/- 0.25V
GND	TP2781	0
TV_SOS	TP5481	0
INVERTER_SOS	TP2761	0
P17V	TP2777	17V +/- 1V
SUB_F_12V	TP2782	12V +/- 1V
INV_ON	TP2759	2,85V +/- 2%

Self Check

Self-check is used to automatically check the bus lines and hexadecimal code of the TV set. To enter Self-Check mode, keep pressing the down **(-/v)** button on the TV set and press the **STATUS** [i] button on the remote control. To exit Self Check, switch off the TV set at the power button.

TX-L32S10L

32FHD — Panasonic 2009LCD — Self Check Complete

ADV	O.K.
ADAV	O.K.
TUN	O.K.
GENX	O.K.
MEM1	O.K.
MEM2	O.K.
AVSW	O.K.
OFDM	O.K.
TEMP	O.K.
VIF	O.K.

PEAKS-SOFT	1.206
PEAKS-EEP	01.01.0013
GenX-SOFT	1.00.00
GenX-EEP	1.03.36
GenX-ROMCORR	1.00.00

SUM	7997
MODEL ID	06 030b3100 00000004
EDID	22 1b0bfb--

TX-L32S10B

32FHD — Panasonic 2009LCD — Self Check Complete

ADV	O.K.
ADAV	O.K.
TUN	O.K.
GENX	O.K.
MEM1	O.K.
MEM2	O.K.
AVSW	O.K.
OFDM	O.K.
TEMP	O.K.
VIF	O.K.

PEAKS-SOFT	1.206
PEAKS-EEP	01.00.0017
GenX-SOFT	1.00.00
GenX-EEP	1.03.36
GenX-ROMCORR	1.00.00

SUM	7993
MODEL ID	06 03043100 00000004
EDID	22 1b0bfb--

TX-L32S10E

32FHD — Panasonic 2009LCD — Self Check Complete

ADV	O.K.
ADAV	O.K.
TUN	O.K.
GENX	O.K.
MEM1	O.K.
MEM2	O.K.
AVSW	O.K.
OFDM	O.K.
TEMP	O.K.
VIF	O.K.

PEAKS-SOFT	1.206
PEAKS-EEP	01.00.0003
GenX-SOFT	1.00.00
GenX-EEP	1.03.36
GenX-ROMCORR	1.00.00

SUM	798D
MODEL ID	06 03113100 00000004
EDID	22 1b0bfb--

TX-L37S10B

37FHD — Panasonic 2009LCD — Self Check Complete

ADV	O.K.
ADAV	O.K.
TUN	O.K.
GENX	O.K.
MEM1	O.K.
MEM2	O.K.
AVSW	O.K.
OFDM	O.K.
TEMP	O.K.
VIF	O.K.

PEAKS-SOFT	1.206
PEAKS-EEP	01.00.0016
GenX-SOFT	1.00.00
GenX-EEP	1.03.36
GenX-ROMCORR	1.00.00

SUM	7992
MODEL ID	06 03043100 00000010
EDID	22 1b0bfb--

TX-L37S10E

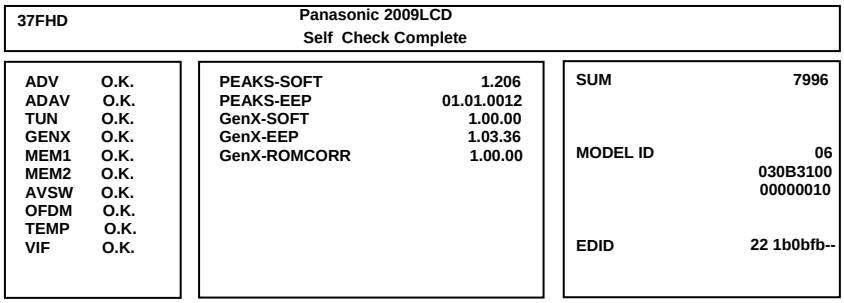
37FHD — Panasonic 2009LCD — Self Check Complete

ADV	O.K.
ADAV	O.K.
TUN	O.K.
GENX	O.K.
MEM1	O.K.
MEM2	O.K.
AVSW	O.K.
OFDM	O.K.
TEMP	O.K.
VIF	O.K.

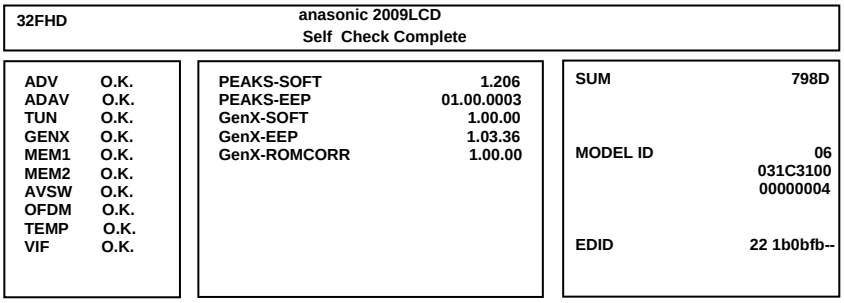
PEAKS-SOFT	1.206
PEAKS-EEP	01.00.0002
GenX-SOFT	1.00.00
GenX-EEP	1.03.36
GenX-ROMCORR	1.00.00

SUM	798C
MODEL ID	06 03113100 00000010
EDID	22 1b0bfb--

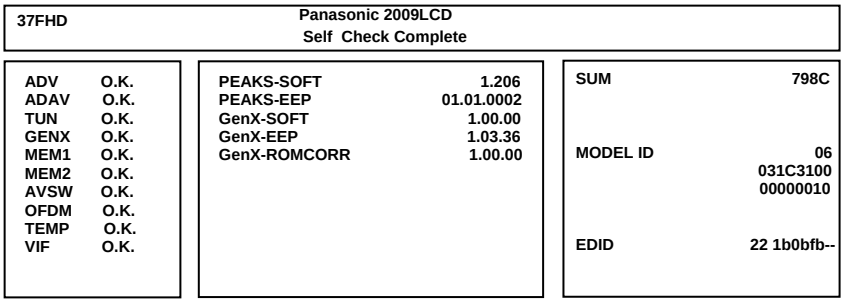
TX-L37S10L



TX-LF32S10



TX-LF37S10



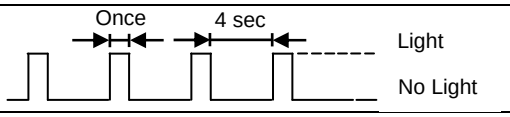
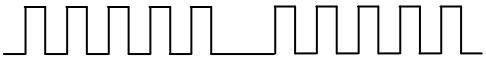
Display	Ref. No.	Description	P.C.B.
ADV	IC4510	A/D CONVERTER	A-Board
ADAV	IC4510	A/D CONVERTER	A-Board
TUN	TU2901	TUNER	A-Board
GENX	IC1100	MICROPROCESSOR	A-Board
MEM1	IC1101	EEPROM (GENX)	A-Board
MEM2	IC8601	EEPROM (PEAKS AVC)	A-Board
AVSW	IC3001	AUDIO VIDEO SWITCH	A-Board
COFDM	IC8301	COFDM DEMODULATOR	A-Board
TEMP	IC2750	TEMP SENSOR	A-Board
VIF	TU2901	TUNER	A-Board

If the CCU ports have been checked and found to be incorrect or not located then " - - " will appear in place of "O.K.".

Power LED blinking timing chart

1. Subject
   Information of LED Flashing timing chart.

2. Contents
   When abnormality has occurred the unit, the protection circuit operates and reset to the stand by mode. At this time, the defective block can be identified by number of blinking of the Power LED on the front panel of the unit.

Blinking times	Blinking timing	Contents	Check point
1		INVERTER_SOS	LCD PANEL A BOARD
2		FAN_SOS	A BOARD
3		SOS	A BOARD
4		SUB_F_12V	A BOARD
5		MAIN9V	A BOARD
6		SUB5V	A BOARD V BOARD
7		SUB3.3V	A BOARD
8		MAIN3.3V	A BOARD
9		SOUND_SOS	A BOARD
13		EMERGENCY SOS	A BOARD

Service Mode Function

MPU controls the functions switching for each IICs through IIC bus in this chassis. The following setting and adjustment can be adjusted by remote control in Service Menu

How to enter SERVICE

While pressing **(-/v)** button on TV unit, press **0** on the remote control for 3 times within 2 seconds.

Note:

To exit from Service mode, press the exit button on remote control.

SERVICE

Key Command

- Press the **3/4** button to change the adjustment values or function.
- Press the **1/2** button to step up/down through the functions and adjustments
- Press the numerical button **VOLUME (+/-)** to change option item.
- Press the **OK** button after each adjustment has been made to store the required values.

Option Bytes Description

OPTION1			
	b0	ATP Search Speed	Slow (1) / Fast (0)
	b1	TXT Ch Refresh	On (1) / Off (0)
	b2	ID-1	On (1) / Off (0)
	b3	Macrovision Auto-Judge	On (1) / Off (0)
	b4	Surround enable low bit (*1)	On (1) / Off (0)
	b5	Surround enable low bit (*1)	On (1) / Off (0)
	b6	Pre Emphasis	On (1) / Off (0)
	b7	TINT_COMPONENT_HDMI	On (1) / Off (0)
OPTION2			
	b0	Adjust lgain enable	On (1) / Off (0)
	b1	A2 BC enable (5.5)	On (1) / Off (0)
	b2	A2 DK1 enable (6.26)	On (1) / Off (0)
	b3	A2 DK3 enable (5.742)	On (1) / Off (0)
	b4	NICAM scan	On (1) / Off (0)
	b5	NICAM enable (5.5)	On (1) / Off (0)
	b6	NICAM enable (6.0)	On (1) / Off (0)
	b7	NICAM enable (6.5)	On (1) / Off (0)
OPTION3			
	b0	NICAM priority (ASIA/M.E)	On (1) / Off (0)
	b1	NICAM priority (K/UK)	On (1) / Off (0)
	b2	NICAM priority (China)	On (1) / Off (0)
	b3	NICAM priority (NZ/INDN)	On (1) / Off (0)
	b4	NICAM priority (AUS)	On (1) / Off (0)
	b5	NICAM priority (E.Europe)	On (1) / Off (0)
	b6	NICAM priority (Special)	On (1) / Off (0)
	b7	SASO mute	Not use
OPTION4			
	b0	All country DVB-S enable	On (1) / Off (0)
	b1	All country DVB-C enable	On (1) / Off (0)

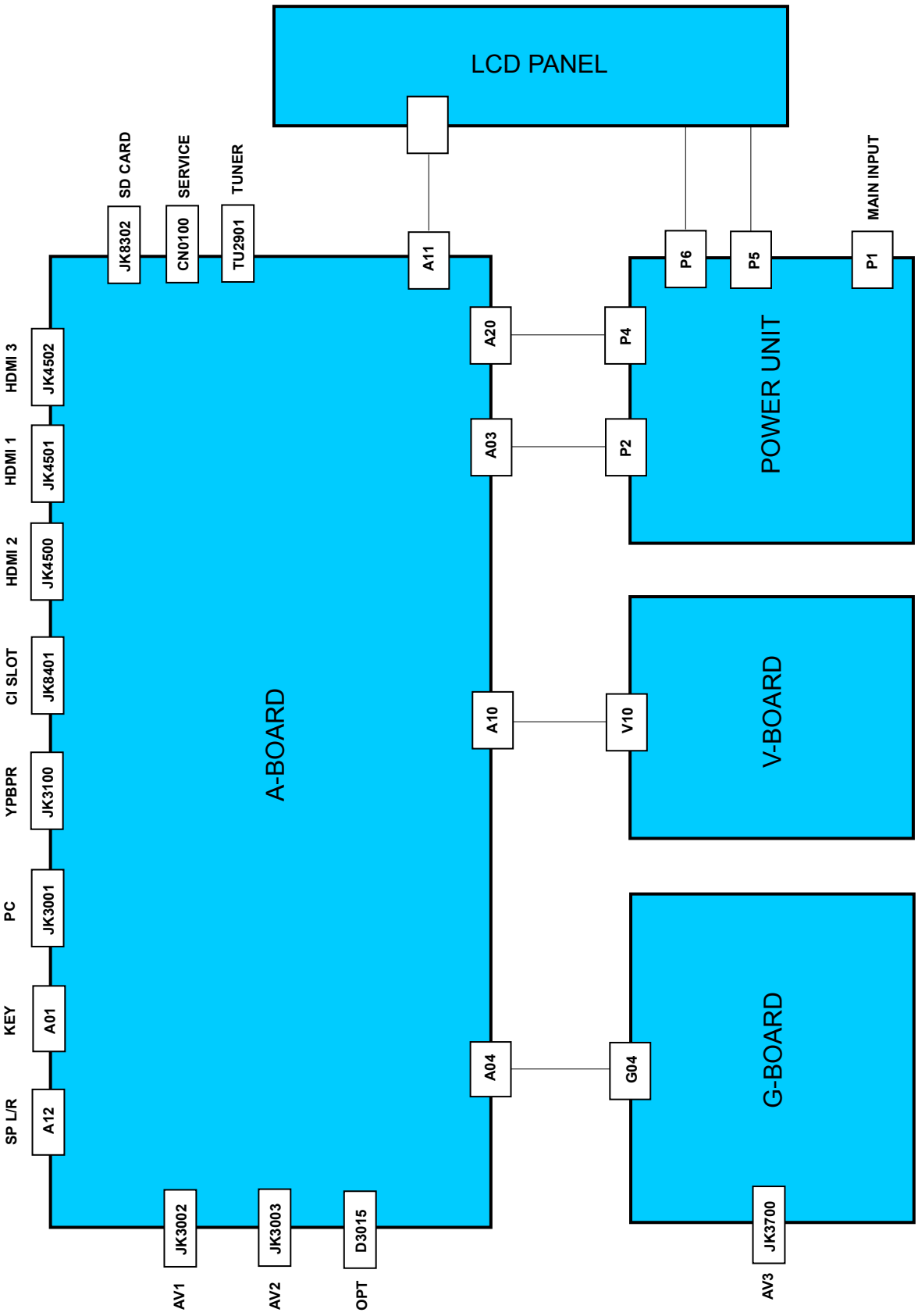
Adjustment Method

Sub-Contrast/White Balance Adjustment

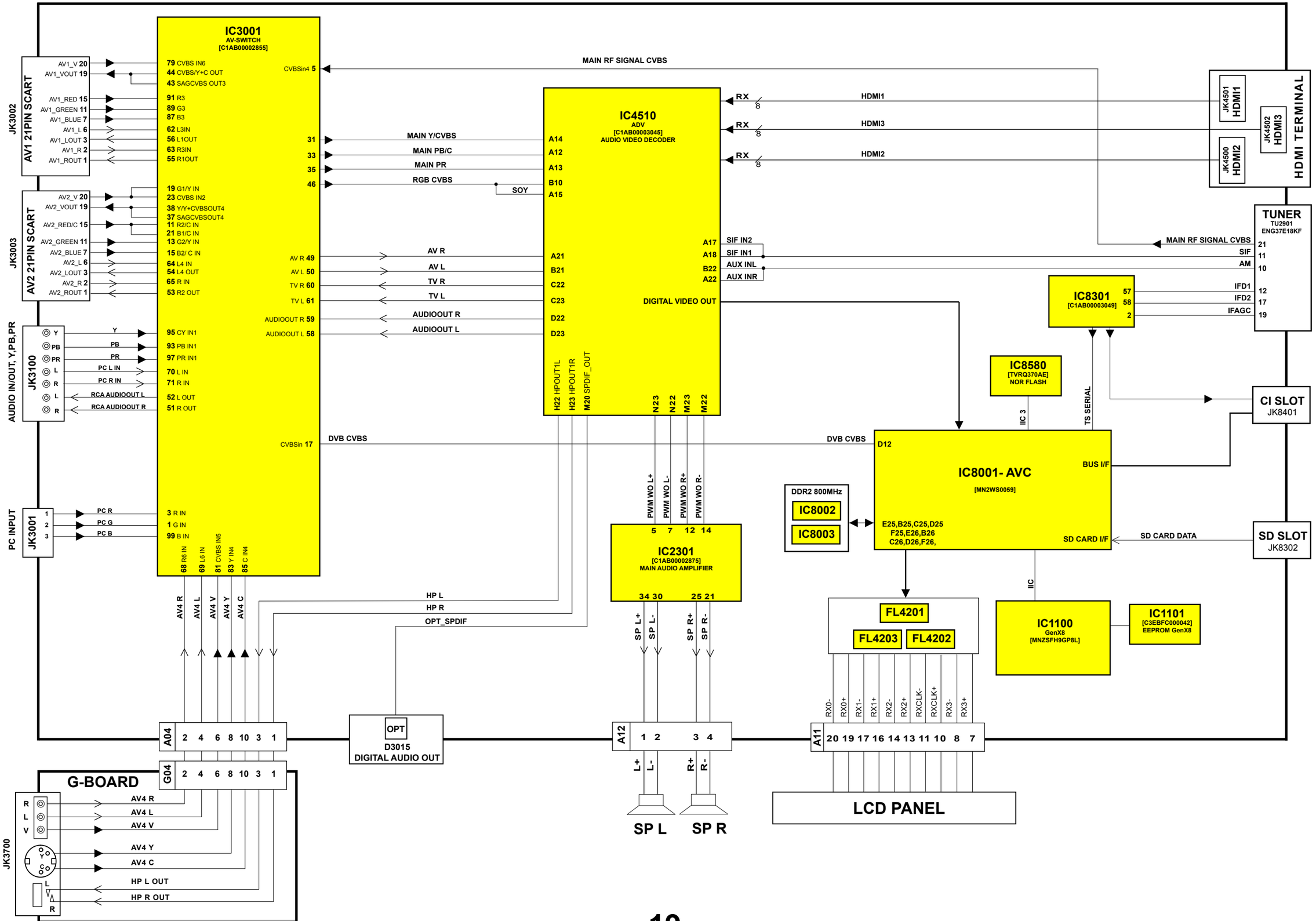
Instrument Name	Connect to	Remarks
1. Remote controller 2. LCD WB meter (Minolta CS-1000A equivalent) 3. Comunication jig 4. Computer for external control		Correlation can be also taken by CA-210 or equivalent

Procedure	Remarks
	Let the panel standfor more than 3 hours at more than 20 °C. Basically perform adjustment in the ambient environment of room temperature more than 20 °C. The aging time is more than20 min at above room temperature.
	Applied signal
Subcontrast adjustment 1. Receive PAL colour bar (100% white) RF signal. 2. Enter “Contrast” adj. In SERVICE mode. 3. Start adjusting by using Yellow Key. 4. If the adjustment finished normally, the letter of Contrast will change from red to black	100% full colour bar 0,7V p-p white peak 87.5% modulation
White Balance adjustment 1. Procedure basically performs checking using the production software and make automatic adjustment using external computer. 2. It adjusts in the mode of : Colour balance Normal as follows. Viewing Mode Dynamic	
S10B/L WHITE Normal x: 0,2860 ± 0,010 y: 0,3130 ± 0,010 GRAY Normal x: 0,2840 ± 0,010 y: 0,3140 ± 0,010	S10E,LFS10 WHITE Normal x: 0,2820 ± 0,010 y: 0,3020 ± 0,010 GRAY Normal x: 0,2840 ± 0,010 y: 0,3120 ± 0,010
	100% WHITE 50% GRAY

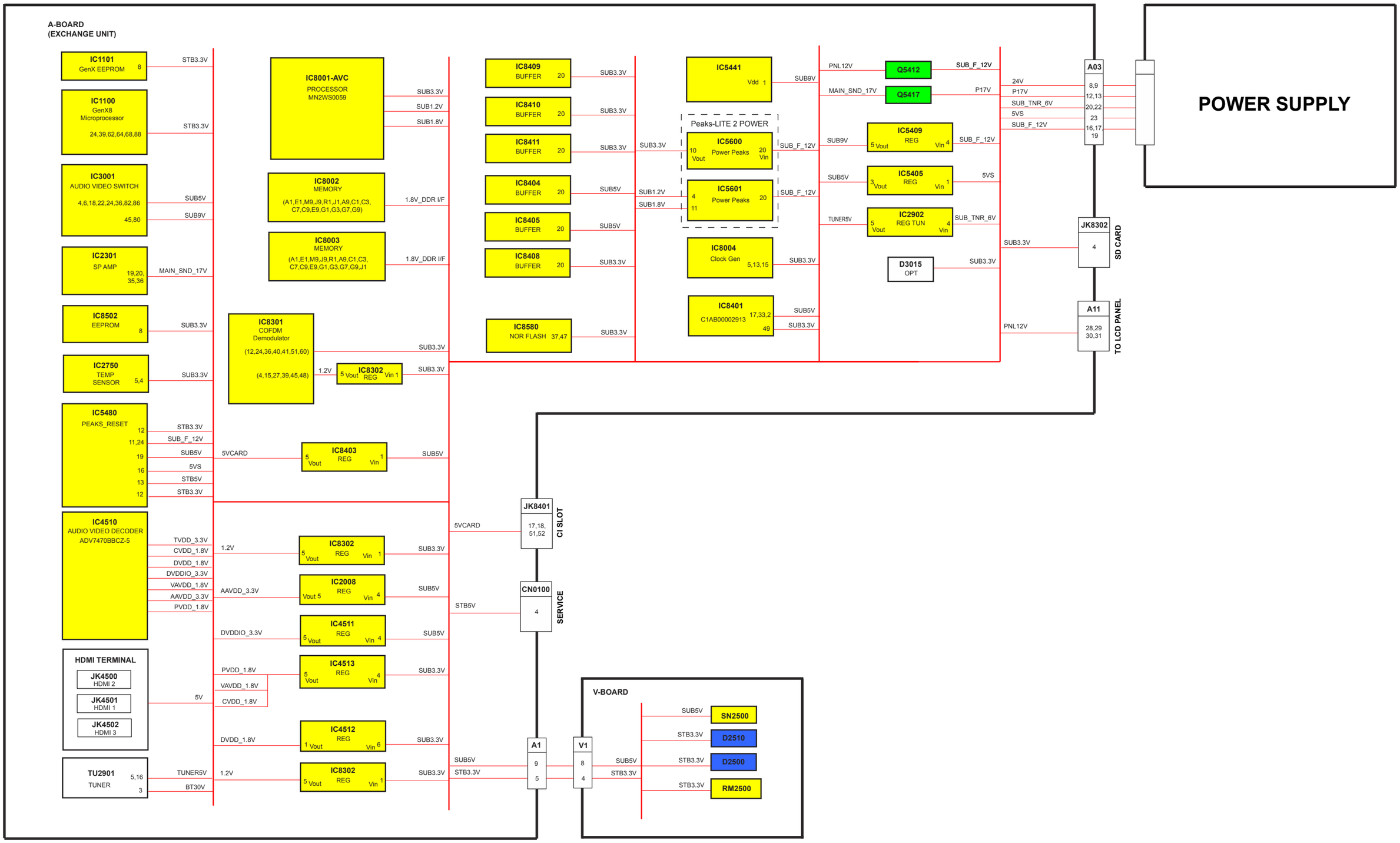
Wiring Diagram



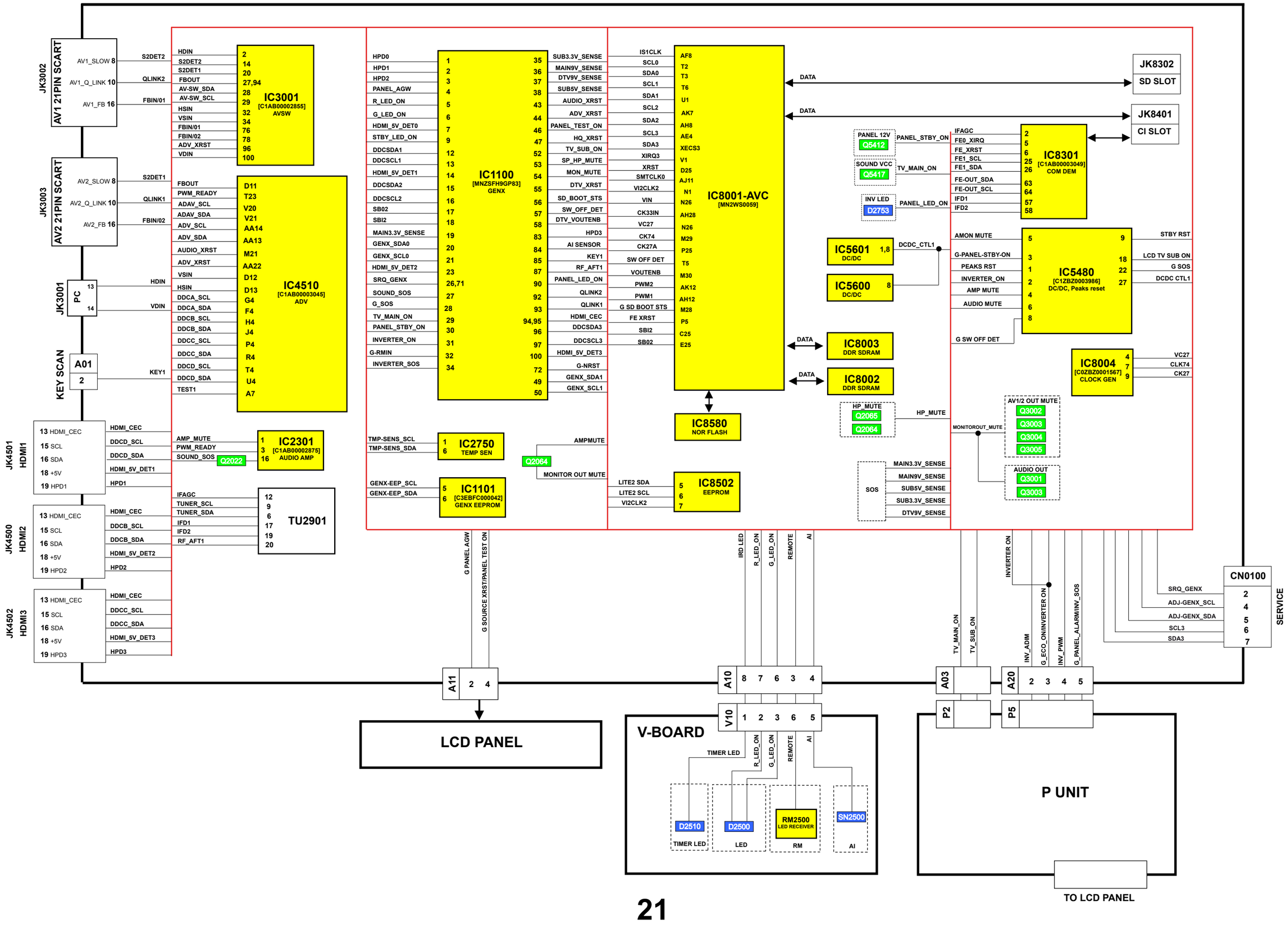
Video & Stereo Audio Block Diagram



Power Supply Block Diagram

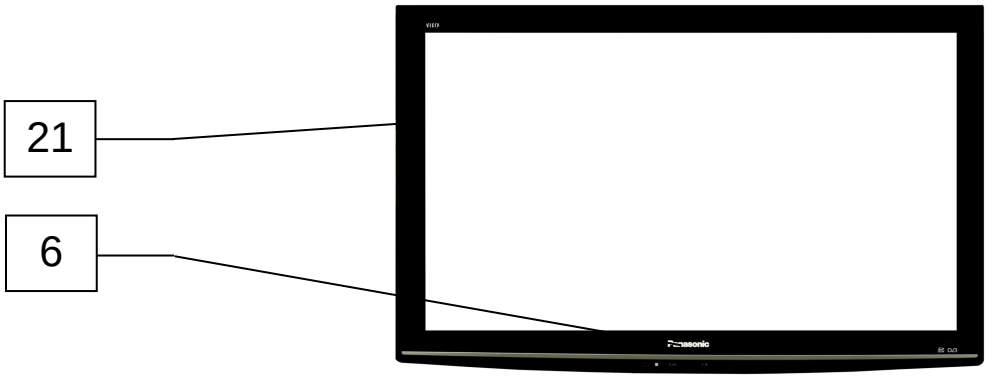


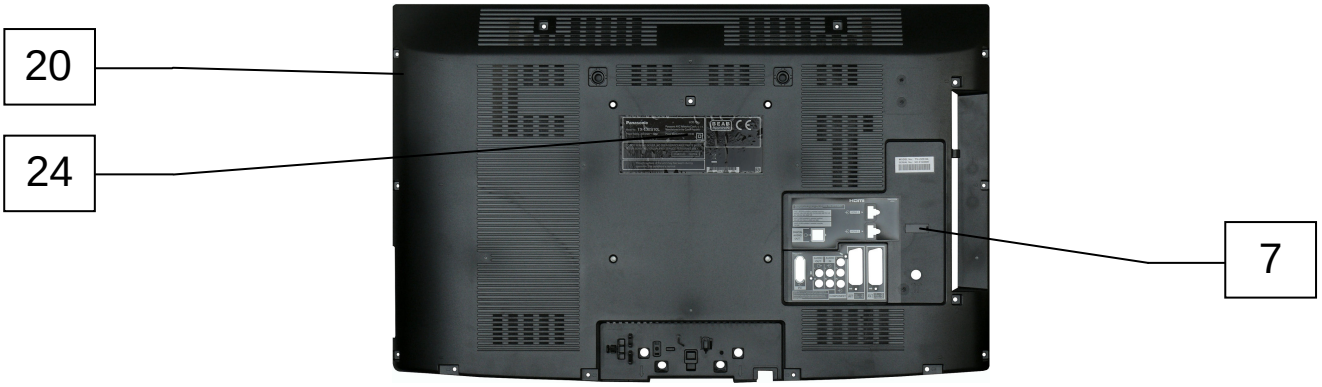
Control Block Diagram

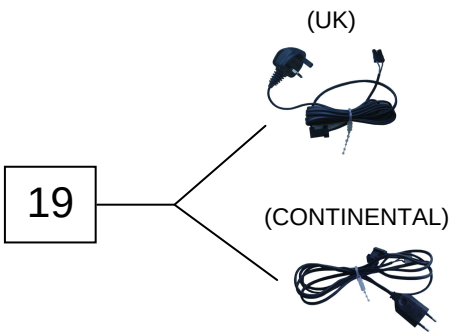


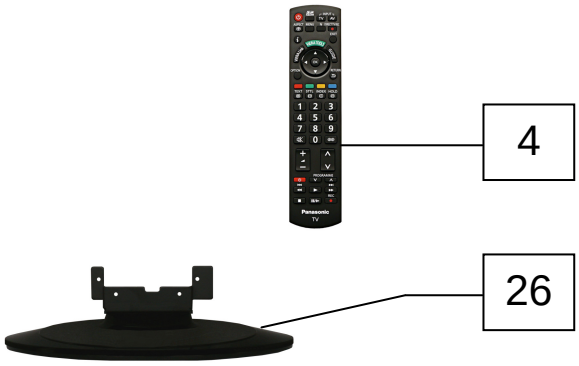
Parts Location

NOTE:
The numbers on the exploded view below refer to the exploded view section of the Replacement Parts List.

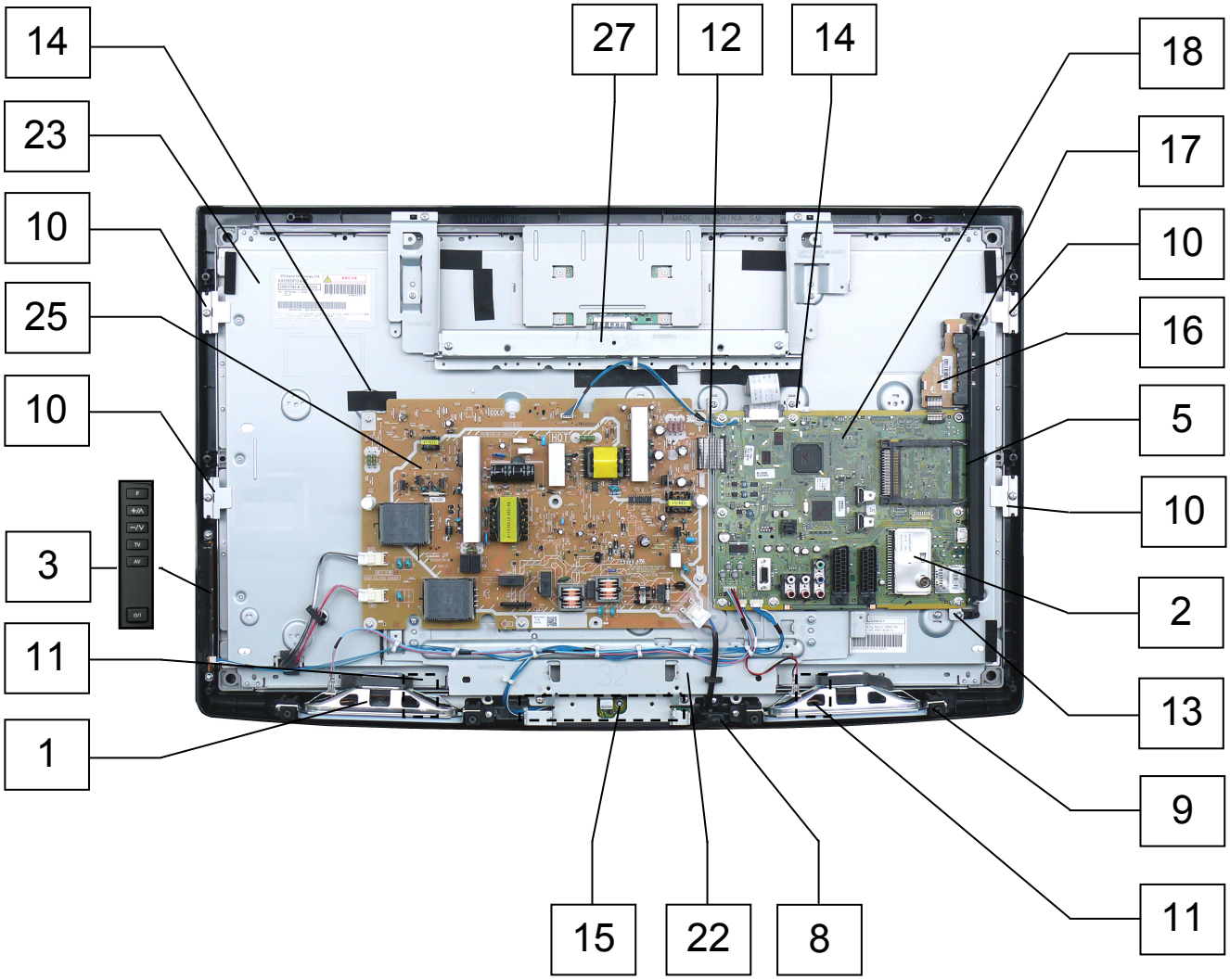








NOTE:
The numbers on the exploded view below refer to the exploded view section of the Replacement Parts List.



Replacement Parts List

Important Safety Notice

Components Identified by ⚠ mark have special characteristics important for safety.
* When replacing any of these components, use only manufacturers specified parts.
In case of ordering these spare parts, please always add the complete Model-Type number to your order.

RTL (Retention Time Limited)

Note: The marking (RTL) indicates that the Retention Time is Limited for this item. After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

X The marking (X) indicates that board should be exchanged for service.

Cct Ref	Parts Number	Description		
COMMON PARTS				
EXPLODED VIEW				
1	EAS16S12A	SPEAKER UNIT		
2	ENG37E18KF	TUNER		⚠
3	K0RB00600006	CONTROL PANEL ASSY		
4	N2QAYB000328	REMOTE CONTROL		
5	TBM0E1467	CI COVER LABEL		
6	TBMA293	PANASONIC BADGE		
7	TKP0E16001	CONNECTOR COVER		
8	TKP0E39001	AC CORD BRACKET		
9	TKP0E39101	SPEAKER BRACKET		
10	TKZ0EA5003	MASK BRACKET SIDE		
11	TKZ0EA5011	MASK BRACKET BOTTOM		
12	TKZG5043	A-PCB MTG METAL R		
13	TKZG5044	A-PCB MTG METAL L		
14	TKZG5052	A-PCB MTG METAL S		
15	TNP8EV101AA	V P.C.B.	RTL	⚠
16	TNPA4850AB	G P.C.B.	RTL	⚠
17	TTP0E0092	SIDE AV BRACKET		
MISCELLANEOUS COMPONENTS				
.	R6DB/2P	BATTERY		
.	TBM0E9018-1	REAR AV LABEL_BOTTOM		
.	THTD020J	SCREW		
.	TKP0E38601	IR/LED WINDOW		
.	TKP0E38701	IR/LED RIB		
.	TMK0EA040	FELT		
.	TMK0EX015	AC CORD BARRIER		
.	TMM8E18048	TAB-RELEASE CABLE		
.	TPE0E9004	POLYBAG_PEDESTAL		
.	TPEX020	CLEANING CLOTH		
.	TXFPE01RLTB	CLEANING CLOTH ASSY		
.	XTB4+15JFJK	SCREW		
.	XTB4+8JFJ	SCREW		
.	XTV3+8JFJK	SCREW		
.	XTW3+10TFJ	SCREW		
.	XYM4+C10FJK	SCREW		
.	XYN4+F6FJ	SCREW		
I.C.s				
IC1100	MNZSFH9GP83	MICRO_GENX		
IC1101	24GLP24GENX	EEPROM GENX		
IC2008	C0DBGYY00578	REGULATOR		
IC2301	C1AB00002875	AUDIO AMPLIFIER		
IC2750	C1ZBZ0003577	IC		

Cct Ref	Parts Number	Description
IC2902	C0DBGYY00281	REGULATOR
IC3001	C1AB00002855	AUDIO VIDEO SWITCH
IC4510	C1AB00003045	A/D VIDEO DECODER
IC4511	C0DBGYY00578	REGULATOR
IC4512	C0CBCAG00039	REGULATOR
IC4513	C0DBGYY00618	REGULATOR
IC5405	C0DBEYG00002	IC REGULATOR
IC5409	C0DBEHE00005	REGULATOR
IC5441	C0DBAJB00004	REGULATOR
IC5480	C1ZBZ0003986	DC/DC CONVERTER
IC5600	C0DBAYY00480	DC/DC CONVERTER
IC5601	C0DBAYY00480	DC/DC CONVERTER
IC8001	MN2WS0059	PEAKS AVC
IC8002	C3ABTG000007	DDR SDRAM
IC8003	C3ABTG000007	DDR SDRAM
IC8004	C0ZBZ0001567	CLOCK GENERATOR
IC8301	C1AB00003049	COMBINED DEMODULATOR
IC8302	C0DBFYY00028	REGULATOR
IC8401	C1AB00002913	LEVEL SHIFTER
IC8403	C0ZBZ0001584	IC SWITCH
IC8404	C0JBAZ002692	BUS BUFFER
IC8405	C0JBAZ002692	BUS BUFFER
IC8408	C0JBAU000025	BUFFER
IC8409	C0JBAZ002811	BUFFER
IC8410	C0JBAU000025	BUFFER
IC8411	C0JBAU000025	BUFFER
IC8580	TVRQ370AE	PEAKS-AVC_FLASH MEMORY
RM2500	B3RAD0000127	LED RECEIVER
SN2500	B3JB00000046	PHOTO IC DIODE
FUSES		
PA4201	ERBSE2R50U	MICRO CHIP FUSE
PA5420	ERBSE5R00U	FUSE
PA5430	ERBSE2R50U	MICRO CHIP FUSE
PA5601	ERBSE2R50U	MICRO CHIP FUSE
DIODES		
D1002	EZJZ0V120JA	VARISTOR
D1003	EZJZ0V120JA	VARISTOR
D1004	EZAEG2A50AX	ESD SUPPRESSOR
D1005	EZAEG2A50AX	ESD SUPPRESSOR
D1006	EZAEG2A50AX	ESD SUPPRESSOR
D1007	EZAEG2A50AX	ESD SUPPRESSOR
D1107	MA3X704A0L	DIODE MA704ATX
D1112	MA2J72800L	DIODE
D2014	MA2J11100L	DIODE
D2017	MA2J11100L	DIODE
D2500	B3AGB0000057	LED
D2510	B3ACB0000225	DIODE
D2752	EZJZ0V120JA	VARISTOR

Cct Ref	Parts Number	Description
D2753	B3AEB0000131	LED
D2760	MAZ81400ML	DIODE
D2779	MA22F2000L	DIODE
D3013	MAZ81400ML	DIODE
D3014	MAZ81400ML	DIODE
D3048	MA3X704A0L	DIODE MA704ATX
D3339	MA3X704A0L	DIODE MA704ATX
D4202	MA2J11100L	DIODE
D4503	EZAEG2A50AX	ESD SUPPRESSOR
D4505	EZAEG2A50AX	ESD SUPPRESSOR
D4507	EZAEG2A50AX	ESD SUPPRESSOR
D4509	EZAEG2A50AX	ESD SUPPRESSOR
D4511	EZAEG2A50AX	ESD SUPPRESSOR
D4512	EZAEG2A50AX	ESD SUPPRESSOR
D4513	B0BC5R6A0275	DIODE
D4516	EZAEG2A50AX	ESD SUPPRESSOR
D4517	EZAEG2A50AX	ESD SUPPRESSOR
D4518	EZAEG2A50AX	ESD SUPPRESSOR
D4520	EZAEG2A50AX	ESD SUPPRESSOR
D4521	EZAEG2A50AX	ESD SUPPRESSOR
D4523	EZAEG2A50AX	ESD SUPPRESSOR
D4525	MA2J11100L	DIODE
D4526	MA2J11100L	DIODE
D4541	MA2J11100L	DIODE
D4542	MA2J11100L	DIODE
D4573	EZAEG2A50AX	ESD SUPPRESSOR
D4574	EZAEG2A50AX	ESD SUPPRESSOR
D4575	MA2J11100L	DIODE
D4576	B0HCMM000014	DIODE
D4577	B0HCMM000014	DIODE
D4583	B0HCMM000014	DIODE
D4587	EZAEG2A50AX	ESD SUPPRESSOR
D4588	EZAEG2A50AX	ESD SUPPRESSOR
D4589	EZAEG2A50AX	ESD SUPPRESSOR
D4590	EZAEG2A50AX	ESD SUPPRESSOR
D4591	EZAEG2A50AX	ESD SUPPRESSOR
D4592	EZAEG2A50AX	ESD SUPPRESSOR
D4593	EZAEG2A50AX	ESD SUPPRESSOR
D4594	EZAEG2A50AX	ESD SUPPRESSOR
D4595	EZAEG2A50AX	ESD SUPPRESSOR
D4596	EZAEG2A50AX	ESD SUPPRESSOR
D4597	EZAEG2A50AX	ESD SUPPRESSOR
D4598	EZAEG2A50AX	ESD SUPPRESSOR
D4599	EZAEG2A50AX	ESD SUPPRESSOR
D4600	EZAEG2A50AX	ESD SUPPRESSOR
D4601	EZAEG2A50AX	ESD SUPPRESSOR
D4602	EZAEG2A50AX	ESD SUPPRESSOR
D4611	B0BC5R6A0275	DIODE
D4615	MA2J11100L	DIODE
D4617	B0BC5R6A0275	DIODE
D5407	MA2J11100L	DIODE
D5414	MA2J11100L	DIODE
D5441	MA3X78900L	DIODE
D5442	B0BC03900015	ZENER DIODE
D5473	MA2J11100L	DIODE
D5474	MA2J11100L	DIODE
D5480	MA2J11100L	DIODE
D5481	MAZ81800ML	DIODE
D5482	MA2J11100L	DIODE
D5483	MAZ81100ML	ZENER DIODE
D5484	MA2J11100L	DIODE
D5485	MAZ82400ML	ZENER DIODE
D5486	MA2J11100L	DIODE
D5612	MAZ80470ML	ZENER DIODE
D5613	MA2J11100L	DIODE
D5618	MAZ80470ML	ZENER DIODE
D5619	MA2J11100L	DIODE
D5626	MAZ80470ML	ZENER DIODE

Cct Ref	Parts Number	Description
D5627	MA2J11100L	DIODE
TRANSISTORS		
Q2001	B1ABCF000231	TRANSISTOR
Q2022	B1ADCE000022	TRANSISTOR
Q2063	2SD0601ASL	TRANSISTOR
Q2064	2SD0601ASL	TRANSISTOR
Q2065	2SB0709ASL	TRANSISTOR
Q2500	B1ABCF000231	TRANSISTOR
Q2501	B1ABCF000231	TRANSISTOR
Q2503	B1ABCF000231	TRANSISTOR
Q2504	B1ABCF000231	TRANSISTOR
Q3000	B1ABCF000231	TRANSISTOR
Q3001	B1ABCF000231	TRANSISTOR
Q3002	B1ABCF000231	TRANSISTOR
Q3003	B1ABCF000231	TRANSISTOR
Q3004	B1ABCF000231	TRANSISTOR
Q3005	B1ABCF000231	TRANSISTOR
Q4201	2SD0601A0L	TRANSISTOR
Q4202	2SB0709A0L	TRANSISTOR
Q4203	2SD0601A0L	TRANSISTOR
Q4204	2SC39380QL	TRANSISTOR
Q4205	2SD0601A0L	TRANSISTOR
Q4206	2SC39380QL	TRANSISTOR
Q4207	2SD0601A0L	TRANSISTOR
Q4500	B1ABCF000231	TRANSISTOR
Q4501	B1ABCF000231	TRANSISTOR
Q4514	2SB0709ASL	TRANSISTOR
Q4515	2SB0709ASL	TRANSISTOR
Q4516	2SB0709ASL	TRANSISTOR
Q4517	2SB0709ASL	TRANSISTOR
Q4519	2SB0709ASL	TRANSISTOR
Q4520	B1ABCF000231	TRANSISTOR
Q4533	B1ABCF000231	TRANSISTOR
Q4534	B1ABCF000231	TRANSISTOR
Q4535	B1ABCF000231	TRANSISTOR
Q4807	2SD0601A0L	TRANSISTOR
Q5407	2SC584500L	TRANSISTOR
Q5408	2SC584500L	TRANSISTOR
Q5412	B1CHRE000005	TRANSISTOR
Q5417	B1CHRE000005	TRANSISTOR
Q5421	2SC584500L	TRANSISTOR
Q5431	2SC584500L	TRANSISTOR
Q5441	B1CFNG000001	TRANSISTOR
Q5453	2SD0601A0L	TRANSISTOR
Q5461	B1ADCE000022	TRANSISTOR
Q5495	2SC584500L	TRANSISTOR
Q5600	B1MBDDA00003	TRANSISTOR
Q5601	B1MBDDA00003	TRANSISTOR
Q5602	B1MBDDA00003	TRANSISTOR
Q8200	2SD0601A0L	TRANSISTOR
Q8401	2SD0601A0L	TRANSISTOR
Q8402	2SD0601A0L	TRANSISTOR
COILS		
L1100	J0JYC0000068	CHIP INDUCTOR
L2001	G1C150KA0038	COIL
L2010	G1C220MA0291	COIL
L2012	G1C220MA0291	COIL
L2014	G1C220MA0291	COIL
L2016	G1C220MA0291	COIL
L2018	J0JHC0000042	CHIP INDUCTOR
L2032	J0JYC0000068	CHIP INDUCTOR
L2750	J0JYC0000065	COIL
L2751	J0JYC0000065	COIL
L2752	J0JYC0000065	COIL
L2754	J0JYC0000065	COIL
L2755	J0JYC0000065	COIL
L2756	J0JYC0000065	COIL

Cct Ref	Parts Number	Description
L2901	J0JCC0000278	CHIP INDUCTOR
L2902	J0JCC0000269	CHIP INDUCTOR
L2904	J0JCC0000269	CHIP INDUCTOR
L2907	J0JCC0000063	CHIP INDUCTOR
L2908	J0JCC0000063	CHIP INDUCTOR
L3002	J0JCC0000287	COIL
L3003	J0JCC0000287	COIL
L3004	J0JCC0000287	COIL
L3005	J0JCC0000287	COIL
L3006	J0JCC0000287	COIL
L3007	J0JCC0000287	COIL
L3008	J0JCC0000287	COIL
L3009	J0JCC0000287	COIL
L3010	J0JCC0000287	COIL
L3011	J0JCC0000287	COIL
L3014	J0JCC0000287	COIL
L3015	J0JCC0000287	COIL
L3017	J0JCC0000287	COIL
L3018	J0JCC0000287	COIL
L3026	J0JCC0000287	COIL
L3027	J0JCC0000287	COIL
L3028	J0JCC0000287	COIL
L3700	J0JCC0000100	INDUCTOR
L3701	J0JCC0000100	INDUCTOR
L3702	J0JCC0000364	INDUCTOR
L3703	J0JCC0000364	INDUCTOR
L4201	J0JYC0000068	CHIP INDUCTOR
L4208	G1C100MA0072	COIL
L4210	J0JHC0000045	COIL BLM18PG121SN1D
L4502	J0JYC0000068	CHIP INDUCTOR
L4503	J0JYC0000068	CHIP INDUCTOR
L4504	J0JYC0000068	CHIP INDUCTOR
L4505	J0JYC0000068	CHIP INDUCTOR
L4506	J0JYC0000068	CHIP INDUCTOR
L4507	J0JYC0000068	CHIP INDUCTOR
L4511	J0JYC0000068	CHIP INDUCTOR
L4512	J0JCC0000059	CHIP INDUCTOR
L4513	J0JCC0000059	CHIP INDUCTOR
L4514	J0JYC0000068	CHIP INDUCTOR
L4515	J0JYC0000068	CHIP INDUCTOR
L4516	J0JYC0000068	CHIP INDUCTOR
L4517	J0JYC0000068	CHIP INDUCTOR
L4518	J0JYC0000068	CHIP INDUCTOR
L4519	J0JYC0000068	CHIP INDUCTOR
L4521	J0JYC0000068	CHIP INDUCTOR
L4522	J0JYC0000068	CHIP INDUCTOR
L4523	J0JYC0000068	CHIP INDUCTOR
L5430	J0JHC0000045	COIL BLM18PG121SN1D
L5443	G1C470MA0077	COIL
L5444	G1C100MA0072	COIL
L5480	J0JYC0000068	CHIP INDUCTOR
L5481	J0JYC0000068	CHIP INDUCTOR
L5600	G1C2R2Z00007	COIL
L5601	G1C3R3Z00004	COIL
L5602	G1C4R7Z00014	COIL
L5604	G1C100MA0203	COIL
L5605	J0JHC0000045	COIL BLM18PG121SN1D
L5608	G1C100MA0077	COIL
L8001	J0JHC0000045	COIL BLM18PG121SN1D
L8002	J0JHC0000045	COIL BLM18PG121SN1D
L8003	J0JHC0000045	COIL BLM18PG121SN1D
L8004	J0JHC0000045	COIL BLM18PG121SN1D
L8005	J0JHC0000045	COIL BLM18PG121SN1D
L8007	J0JHC0000045	COIL BLM18PG121SN1D
L8008	J0JHC0000045	COIL BLM18PG121SN1D
L8009	J0JHC0000045	COIL BLM18PG121SN1D
L8010	J0JHC0000045	COIL BLM18PG121SN1D
L8011	J0JHC0000045	COIL BLM18PG121SN1D

Cct Ref	Parts Number	Description			
L8012	J0JHC0000045	COIL BLM18PG121SN1D			
L8013	J0JHC0000045	COIL BLM18PG121SN1D			
L8301	J0JHC0000045	COIL BLM18PG121SN1D			
L8303	G1CR15JA0020	INDUCTOR			
L8304	J0JHC0000045	COIL BLM18PG121SN1D			
L8501	J0JHC0000045	COIL BLM18PG121SN1D			
L8580	J0JHC0000075	COIL BLM21PG600SN1D			
FILTERS					
FL4201	EXC28CE201U	FILTER			
FL4202	EXC28CE201U	FILTER			
FL4203	EXC28CE201U	FILTER			
FL4204	EXC28CE201U	FILTER			
FL4205	EXC28CE201U	FILTER			
FL4206	EXC28CE201U	FILTER			
CRYSTALS					
X1100	H0J100500035	CRYSTAL			
X2010	H0J245500089	CRYSTAL			
X8001	H0J270500120	CRYSTAL			
X8301	H0J300500027	CRYSTAL			
RESISTORS					
JS1000	ERJ2GE0R00X	SMD	.063W	-	0 Ω
JS2500	ERJ2GE0R00X	SMD	.063W	-	0 Ω
L8052	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R0180	ERJ2GEJ101X	SMD	.063W	5%	100 Ω
R0900	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R0901	EXB28V680JX	SMD	.031W	5%	68 Ω
R0902	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R0905	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R0906	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R0907	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R0909	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R0910	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R0911	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R0912	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R0913	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R0914	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R0915	ERJ2GEJ472X	SMD	.063W	5%	4K7 Ω
R0916	ERJ2GEJ472X	SMD	.063W	5%	4K7 Ω
R0917	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R0918	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R0919	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R0920	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R0927	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R0928	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R0929	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R0930	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R0933	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R0934	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R0935	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R0936	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R0937	ERJ2GEJ472X	SMD	.063W	5%	4K7 Ω
R0938	ERJ2GEJ472X	SMD	.063W	5%	4K7 Ω
R0939	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R0940	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R0941	ERJ2GEJ331X	SMD	.063W	5%	330 Ω
R0942	ERJ2GEJ331X	SMD	.063W	5%	330 Ω
R0945	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R0946	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R0947	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R0948	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R0949	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R0950	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R0951	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R0952	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R0953	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R0954	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R0955	ERJ2GEJ472X	SMD	.063W	5%	4K7 Ω

Cct Ref	Parts Number	Description			
R0956	ERJ2GEJ472X	SMD	.063W	5%	4K7 Ω
R0957	ERJ2GEJ472X	SMD	.063W	5%	4K7 Ω
R0958	ERJ2GEJ472X	SMD	.063W	5%	4K7 Ω
R0959	ERJ2GEJ472X	SMD	.063W	5%	4K7 Ω
R0960	ERJ2GEJ472X	SMD	.063W	5%	4K7 Ω
R0961	ERJ2GEJ472X	SMD	.063W	5%	4K7 Ω
R0962	ERJ2GEJ472X	SMD	.063W	5%	4K7 Ω
R0963	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R1146	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R1153	ERJ2GEJ471X	SMD	.063W	5%	470 Ω
R1163	ERJ2GEJ105X	SMD	.063W	5%	1M Ω
R1173	ERJ2GEJ331X	SMD	.063W	5%	330 Ω
R1179	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R1181	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R1182	ERJ2GEJ273X	SMD	.063W	5%	27K Ω
R1197	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R1203	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R1209	ERJ2GEJ472X	SMD	.063W	5%	4K7 Ω
R1221	D1BB7151A055	SMD	0.1W	1%	7K15 Ω
R1224	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R1225	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R1236	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R1237	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R1243	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R1255	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R1400	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R1401	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R1402	ERJ2GEJ683X	SMD	.063W	5%	68K Ω
R1403	ERJ2GEJ333X	SMD	.063W	5%	33K Ω
R1404	ERJ2GEJ683X	SMD	.063W	5%	68K Ω
R1405	ERJ2GEJ223X	SMD	.063W	5%	22K Ω
R1406	ERJ2GEJ683X	SMD	.063W	5%	68K Ω
R1407	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R1409	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R1410	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R1411	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R1422	ERJ2GEJ182X	SMD	.063W	5%	1K8 Ω
R2002	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R2003	ERJ2GEJ105X	SMD	.063W	5%	1M Ω
R2006	ERJ2GEJ471X	SMD	.063W	5%	470 Ω
R2007	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R2008	ERJ2GEJ471X	SMD	.063W	5%	470 Ω
R2015	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R2016	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R2017	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R2018	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R2019	D1BB2002A055	SMD	0.1W	1%	20K Ω
R2020	D1BB2001A055	SMD	0.1W	1%	2K Ω
R2023	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R2032	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R2047	D1BB2802A055	SMD	0.1W	1%	28K Ω
R2048	D1BB2802A055	SMD	0.1W	1%	28K Ω
R2050	D1BB2802A055	SMD	0.1W	1%	28K Ω
R2051	D1BB2802A055	SMD	0.1W	1%	28K Ω
R2063	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R2064	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R2092	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R2093	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R2110	ERJ2GEJ101X	SMD	.063W	5%	100 Ω
R2111	ERJ2GEJ101X	SMD	.063W	5%	100 Ω
R2114	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R2115	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R2118	ERJ2GEJ471X	SMD	.063W	5%	470 Ω
R2119	ERJ2GEJ105X	SMD	.063W	5%	1M Ω
R2120	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R2121	ERJ8GEYJ3R3V	SMD	0.25W	5%	3R3 Ω
R2122	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R2123	ERJ8GEYJ3R3V	SMD	0.25W	5%	3R3 Ω

Cct Ref	Parts Number	Description			
R2124	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R2125	ERJ8GEYJ3R3V	SMD	0.25W	5%	3R3 Ω
R2127	ERJ8GEYJ3R3V	SMD	0.25W	5%	3R3 Ω
R2129	ERJ2GEJ100X	SMD	.063W	5%	10 Ω
R2132	ERJ2GEJ471X	SMD	.063W	5%	470 Ω
R2137	ERJ2GEJ100X	SMD	.063W	5%	10 Ω
R2141	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R2142	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R2172	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R2190	ERJ2GEJ472X	SMD	.063W	5%	4K7 Ω
R2316	EXB28V220JX	SMD	.031W	5%	22 Ω
R2325	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R2500	ERJ2RKF3000X	SMD	.063W	1%	300 Ω
R2501	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R2502	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R2503	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R2504	ERJ2GEJ223X	SMD	.063W	5%	22K Ω
R2505	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R2507	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R2508	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R2509	ERJ2RKF5760X	SMD	.063W	1%	576 Ω
R2512	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R2514	ERJ2RKF1802X	SMD	.063W	1%	18K Ω
R2515	ERJ2RKF4702X	SMD	.063W	1%	47K Ω
R2516	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R2517	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R2518	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R2751	D0GDR00Z0002	SMD	.125W	-	0 Ω
R2752	D0GDR00Z0002	SMD	.125W	-	0 Ω
R2755	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R2756	ERJ2GEJ101X	SMD	.063W	5%	100 Ω
R2757	ERJ2GEJ101X	SMD	.063W	5%	100 Ω
R2758	ERJ2GEJ101X	SMD	.063W	5%	100 Ω
R2759	ERJ2GEJ101X	SMD	.063W	5%	100 Ω
R2760	ERJ2GEJ101X	SMD	.063W	5%	100 Ω
R2761	ERJ2GEJ101X	SMD	.063W	5%	100 Ω
R2762	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R2763	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R2764	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R2765	D0GDR00Z0002	SMD	.125W	-	0 Ω
R2774	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R2777	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R2778	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R2779	ERJ3GEYJ751V	SMD	0.1W	5%	750 Ω
R2780	ERJ3GEYJ751V	SMD	0.1W	5%	750 Ω
R2903	D0GBR00Z0002	SMD	0.1W	-	0 Ω
R2905	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R2909	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R2915	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R2918	ERJ2GEJ101X	SMD	.063W	5%	100 Ω
R2927	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R2930	ERJ2GEJ153X	SMD	.063W	5%	15K Ω
R2931	D0GBR00Z0002	SMD	0.1W	-	0 Ω
R2941	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R2942	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R3000	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R3001	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R3002	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R3003	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R3004	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R3005	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R3006	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R3007	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R3008	ERJ2GEJ101X	SMD	.063W	5%	100 Ω
R3009	ERJ2GEJ101X	SMD	.063W	5%	100 Ω
R3010	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R3011	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R3012	ERJ2GEJ101X	SMD	.063W	5%	100 Ω

Cct Ref	Parts Number	Description			
R3013	ERJ2GEJ101X	SMD	.063W	5%	100 Ω
R3019	ERJ2GEJ101X	SMD	.063W	5%	100 Ω
R3021	ERJ2GEJ101X	SMD	.063W	5%	100 Ω
R3024	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R3025	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R3028	ERJ2GEJ331X	SMD	.063W	5%	330 Ω
R3029	ERJ2GEJ331X	SMD	.063W	5%	330 Ω
R3033	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3034	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3037	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3038	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3041	ERJ2GEJ331X	SMD	.063W	5%	330 Ω
R3042	ERJ2GEJ331X	SMD	.063W	5%	330 Ω
R3043	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3045	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3047	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3048	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3049	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3050	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3051	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3052	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3056	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R3057	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R3058	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R3072	D1BD1500A044	SMD	.125W	1%	150 Ω
R3073	D1BD1500A044	SMD	.125W	1%	150 Ω
R3074	D1BD1500A044	SMD	.125W	1%	150 Ω
R3075	D1BD1500A044	SMD	.125W	1%	150 Ω
R3076	D1BD1500A044	SMD	.125W	1%	150 Ω
R3077	D1BD1500A044	SMD	.125W	1%	150 Ω
R3079	D1BD1500A044	SMD	.125W	1%	150 Ω
R3081	D1BD1500A044	SMD	.125W	1%	150 Ω
R3082	D1BD1500A044	SMD	.125W	1%	150 Ω
R3083	D1BD1500A044	SMD	.125W	1%	150 Ω
R3084	ERJ6ENF75R0	SMD	.125W	1%	75 Ω
R3085	ERJ6ENF75R0	SMD	.125W	1%	75 Ω
R3086	ERJ6ENF75R0	SMD	.125W	1%	75 Ω
R3087	D1BD1500A044	SMD	.125W	1%	150 Ω
R3089	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R3091	ERJ2RKF2152X	SMD	.063W	1%	21K5 Ω
R3092	ERJ2RKF2152X	SMD	.063W	1%	21K5 Ω
R3094	ERJ2RKF1302X	SMD	.063W	1%	13K Ω
R3097	D1BD1500A044	SMD	.125W	1%	150 Ω
R3098	D1BD1500A044	SMD	.125W	1%	150 Ω
R3100	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R3102	D1BD1500A044	SMD	.125W	1%	150 Ω
R3104	D1BD1500A044	SMD	.125W	1%	150 Ω
R3106	ERJ2GEJ273X	SMD	.063W	5%	27K Ω
R3108	ERJ2GEJ273X	SMD	.063W	5%	27K Ω
R3112	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R3113	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R3115	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3116	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3117	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3118	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3119	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3120	ERJ2GEJ331X	SMD	.063W	5%	330 Ω
R3121	ERJ6ENF75R0	SMD	.125W	1%	75 Ω
R3123	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3128	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3132	ERJ2GEJ820X	SMD	.063W	5%	82 Ω
R3133	ERJ2GEJ820X	SMD	.063W	5%	82 Ω
R3134	ERJ2GEJ820X	SMD	.063W	5%	82 Ω
R3135	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3136	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3137	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3138	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3139	ERJ2GEJ221X	SMD	.063W	5%	220 Ω

Cct Ref	Parts Number	Description			
R3140	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3143	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R3146	ERJ2GEJ331X	SMD	.063W	5%	330 Ω
R3150	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R3153	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R3167	ERJ6ENF75R0	SMD	.125W	1%	75 Ω
R3169	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R3172	ERJ6ENF75R0	SMD	.125W	1%	75 Ω
R3174	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R3182	ERJ2RKF1302X	SMD	.063W	1%	13K Ω
R3186	D1BD1500A044	SMD	.125W	1%	150 Ω
R3187	D1BD1500A044	SMD	.125W	1%	150 Ω
R3188	D1BD1500A044	SMD	.125W	1%	150 Ω
R3189	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R3190	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R3191	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R3193	D1BD1500A044	SMD	.125W	1%	150 Ω
R3198	D1BD1500A044	SMD	.125W	1%	150 Ω
R3204	D1BD1500A044	SMD	.125W	1%	150 Ω
R3205	D1BD1500A044	SMD	.125W	1%	150 Ω
R3206	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R3207	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R3212	D1BD1500A044	SMD	.125W	1%	150 Ω
R3213	D1BD1500A044	SMD	.125W	1%	150 Ω
R3222	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R3223	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R3224	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R3225	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R3226	ERJ2GEJ472X	SMD	.063W	5%	4K7 Ω
R3227	ERJ2GEJ472X	SMD	.063W	5%	4K7 Ω
R3230	ERJ6ENF75R0	SMD	.125W	1%	75 Ω
R3231	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R3232	ERJ6ENF75R0	SMD	.125W	1%	75 Ω
R3233	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R3234	ERJ6ENF75R0	SMD	.125W	1%	75 Ω
R3235	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R3236	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R3237	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R3240	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3245	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R3256	D0GDR00Z0002	SMD	.125W	-	0 Ω
R3281	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R3282	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R3283	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R3284	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R3700	ERJ6GEYJ393	S.M.CARB	0.1W	5%	39K Ω
R3701	ERJ6GEYJ393	S.M.CARB	0.1W	5%	39K Ω
R3702	ERJ6GEYJ184	S.M.CARB	0.1W	5%	180K Ω
R3703	ERJ6GEYJ184	S.M.CARB	0.1W	5%	180K Ω
R4277	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4284	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4285	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4286	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4294	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4300	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4305	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4306	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4309	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4310	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R4311	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4312	ERJ2GEJ302X	SMD	.063W	5%	3K Ω
R4315	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R4316	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R4317	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4318	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4319	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4320	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4321	ERJ2GEJ102X	SMD	.063W	5%	1K Ω

Cct Ref	Parts Number	Description			
R4322	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4323	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4324	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4326	D1BD4871A044	SMD	.125W	1%	4K87 Ω
R4327	ERJ2GEJ274X	SMD	.063W	5%	270K Ω
R4328	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R4329	ERJ2RKF3901X	SMD	.063W	1%	3K9 Ω
R4330	ERJ2GEJ100X	SMD	.063W	5%	10 Ω
R4331	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4334	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4335	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4336	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4337	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4338	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4352	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4357	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4359	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4360	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4367	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4500	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4501	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4502	ERJ2GEJ330X	SMD	.063W	5%	33 Ω
R4503	ERJ2GEJ330X	SMD	.063W	5%	33 Ω
R4504	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R4505	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R4506	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4507	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4524	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4525	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4528	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4529	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4530	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4531	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4532	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4533	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4534	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4538	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4539	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4540	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4541	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4542	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4543	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4546	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4552	ERJ2GEJ220X	SMD	.063W	5%	22 Ω
R4587	D1BB60400001	SMD	0.1W	1%	604 Ω
R4588	D1BB8060A055	SMD	0.1W	1%	806 Ω
R4589	D1BB8060A055	SMD	0.1W	1%	806 Ω
R4592	D1BB8060A055	SMD	0.1W	1%	806 Ω
R4593	D1BB2201A055	SMD	0.1W	1%	2K2 Ω
R4596	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R4597	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R4598	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R4601	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R4604	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4605	D1BB2201A055	SMD	0.1W	1%	2K2 Ω
R4607	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4608	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R4609	ERJ2GEJ122X	SMD	.063W	5%	1K2 Ω
R4613	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4614	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4615	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4616	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4620	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4622	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R4623	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4624	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4626	D1BB2200A055	SMD	0.1W	1%	220 Ω
R4627	D1BB2200A055	SMD	0.1W	1%	220 Ω

Cct Ref	Parts Number	Description			
R4631	D1BB4990A055	SMD	0.1W	1%	499 Ω
R4634	D1BB2200A055	SMD	0.1W	1%	220 Ω
R4635	EXB28V680JX	SMD	.031W	5%	68 Ω
R4636	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R4637	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4638	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R4639	EXB28V680JX	SMD	.031W	5%	68 Ω
R4640	EXB28V680JX	SMD	.031W	5%	68 Ω
R4641	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4642	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4645	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R4646	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R4648	EXB28V330JX	SMD	.031W	5%	33 Ω
R4649	EXB28V680JX	SMD	.031W	5%	68 Ω
R4650	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R4651	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R4652	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4656	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R4664	D1BB60400001	SMD	0.1W	1%	604 Ω
R4665	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4666	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4672	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4674	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4677	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4678	EXB28V680JX	SMD	.031W	5%	68 Ω
R4679	EXB28V680JX	SMD	.031W	5%	68 Ω
R4698	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R4699	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R4700	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4707	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4728	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4729	ERJ2GEJ330X	SMD	.063W	5%	33 Ω
R4732	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4733	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4734	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R4735	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4736	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4738	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4739	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R4740	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4742	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4743	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R4799	EXB28V680JX	SMD	.031W	5%	68 Ω
R4862	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R4863	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R5407	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R5408	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R5409	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R5410	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R5411	ERJ2RKF5361X	SMD	.063W	1%	5K36 Ω
R5412	ERJ2RKF1501X	SMD	.063W	1%	1K5 Ω
R5414	ERJ2RKF6342X	SMD	.063W	1%	63K4 Ω
R5415	ERJ2RKF1002X	SMD	.063W	1%	10K Ω
R5421	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R5422	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R5423	ERJ2GEJ563X	SMD	.063W	5%	56K Ω
R5424	ERJ2GEJ223X	SMD	.063W	5%	22K Ω
R5425	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R5431	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R5432	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R5433	ERJ2GEJ333X	SMD	.063W	5%	33K Ω
R5434	ERJ2GEJ223X	SMD	.063W	5%	22K Ω
R5435	ERJ12YJ471U	SMD	0.5W	5%	470 Ω
R5441	ERJ6ENF8202V	SMD	.125W	1%	82K Ω
R5442	D1BD1602A044	SMD	.125W	1%	16K Ω
R5443	ERJ6GEY0R00	S.M.CARB	0.1W	-	0 Ω
R5449	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R5461	ERJ2GEJ473X	SMD	.063W	5%	47K Ω

Cct Ref	Parts Number	Description			
R5462	ERJ2GEJ274X	SMD	.063W	5%	270K Ω
R5463	ERJ2GEJ105X	SMD	.063W	5%	1M Ω
R5469	ERJ2GEJ203X	SMD	.063W	5%	20K Ω
R5470	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R5474	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R5475	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R5476	ERJ2GEJ153X	SMD	.063W	5%	15K Ω
R5479	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R5480	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R5481	ERJ2GEJ101X	SMD	.063W	5%	100 Ω
R5482	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R5483	ERJ2GEJ563X	SMD	.063W	5%	56K Ω
R5484	ERJ2GEJ203X	SMD	.063W	5%	20K Ω
R5485	ERJ2GEJ101X	SMD	.063W	5%	100 Ω
R5486	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R5487	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R5488	ERJ2GEJ183X	SMD	.063W	5%	18K Ω
R5489	ERJ2GEJ333X	SMD	.063W	5%	33K Ω
R5490	ERJ2GEJ472X	SMD	.063W	5%	4K7 Ω
R5491	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330 Ω
R5492	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R5493	ERJ2GEJ223X	SMD	.063W	5%	22K Ω
R5494	ERJ2GEJ683X	SMD	.063W	5%	68K Ω
R5495	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R5496	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R5497	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R5498	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R5499	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R5603	D1BB2402A055	SMD	0.1W	1%	24K Ω
R5604	D1BB4752A055	SMD	0.1W	1%	47K5 Ω
R5605	D1BB2702A055	CHIP RES	0.1W	1%	27K Ω
R5610	ERJ2GEJ5R6X	SMD	.063W	5%	5R6 Ω
R5620	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R5629	D1BB2702A055	CHIP RES	0.1W	1%	27K Ω
R5630	D1BB2402A055	SMD	0.1W	1%	24K Ω
R5631	D1BB5102A055	SMD	0.1W	1%	51K Ω
R5632	D1BB3002A055	SMD	0.1W	1%	30K Ω
R5633	D1BB1602A055	SMD	0.1W	1%	16K Ω
R5634	D1BB2002A055	SMD	0.1W	1%	20K Ω
R5635	ERJ2GEJ5R6X	SMD	.063W	5%	5R6 Ω
R8004	D1BB2402A055	SMD	0.1W	1%	24K Ω
R8005	D1BB1002A055	SMD	0.1W	1%	10K Ω
R8006	D1BB2402A055	SMD	0.1W	1%	24K Ω
R8007	D0GBR00Z0002	SMD	0.1W	-	0 Ω
R8026	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R8027	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R8030	ERJ2GEJ101X	SMD	.063W	5%	100 Ω
R8031	ERJ2RKF1001X	SMD	.063W	1%	1K Ω
R8032	ERJ2RKF1001X	SMD	.063W	1%	1K Ω
R8056	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8057	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8058	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8059	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8060	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8061	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8062	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8063	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8064	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8065	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8066	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8067	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8068	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8069	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8070	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8071	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8072	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8073	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8074	ERJ2GEJ221X	SMD	.063W	5%	220 Ω

Cct Ref	Parts Number	Description			
R8075	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8076	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8077	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8078	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8081	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8082	ERJ2RKF75R0X	SMD	.063W	1%	75 Ω
R8083	ERJ2GEJ301X	SMD	.063W	5%	300 Ω
R8086	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R8091	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8093	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8096	ERJ2GEJ820X	SMD	.063W	5%	82 Ω
R8097	ERJ2GEJ221X	SMD	.063W	5%	220 Ω
R8100	ERJ2GEJ470X	SMD	.063W	5%	47 Ω
R8101	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8109	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R8214	ERJ8GEY0R00	S.M.CARB	.125W	-	0 Ω
R8244	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8245	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8272	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8301	EXB2HV680JV	SMD	.063W	5%	68 Ω
R8303	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R8304	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R8305	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R8306	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R8307	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R8308	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8310	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R8311	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R8312	ERJ2GEJ102X	SMD	.063W	5%	1K Ω
R8313	ERJ2GEJ225X	SMD	.063W	5%	2M2 Ω
R8314	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R8315	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R8316	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R8317	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R8319	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R8321	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8322	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R8323	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R8324	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R8325	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8326	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8327	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8328	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8330	ERJ8GEY0R00	S.M.CARB	.125W	-	0 Ω
R8332	EXB2HV101JV	SMD	.063W	5%	100 Ω
R8333	EXB2HV101JV	SMD	.063W	5%	100 Ω
R8335	EXB2HV680JV	SMD	.063W	5%	68 Ω
R8336	EXB2HV680JV	SMD	.063W	5%	68 Ω
R8337	EXB28V680JX	SMD	.031W	5%	68 Ω
R8338	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8339	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8340	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R8345	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8347	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R8353	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8354	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8356	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R8392	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R8395	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8404	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8405	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8406	D0GFR10JA020	SMD	0.25W	5%	R1 Ω
R8407	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R8410	ERJ2GEJ223X	SMD	.063W	5%	22K Ω
R8411	ERJ2GEJ223X	SMD	.063W	5%	22K Ω
R8412	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8415	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R8416	ERJ2GEJ223X	SMD	.063W	5%	22K Ω

Cct Ref	Parts Number	Description			
R8417	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R8418	ERJ2GEJ681X	SMD	.063W	5%	680 Ω
R8421	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8422	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8423	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8424	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8425	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8426	EXB2HV680JV	SMD	.063W	5%	68 Ω
R8428	EXB2HV680JV	SMD	.063W	5%	68 Ω
R8430	ERJ2GEJ101X	SMD	.063W	5%	100 Ω
R8431	ERJ2GEJ151X	SMD	.063W	5%	150 Ω
R8432	ERJ2GEJ151X	SMD	.063W	5%	150 Ω
R8433	ERJ2GEJ223X	SMD	.063W	5%	22K Ω
R8434	ERJ2GEJ473X	SMD	.063W	5%	47K Ω
R8435	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8436	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8437	EXB2HV104JV	CHIP RES	.063W	5%	100K Ω
R8438	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R8439	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8440	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R8441	EXB2HV680JV	SMD	.063W	5%	68 Ω
R8442	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8445	ERJ2GEJ104X	SMD	.063W	5%	100K Ω
R8446	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8449	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8450	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8453	EXB2HV680JV	SMD	.063W	5%	68 Ω
R8454	EXB28V151JX	SMD	.031W	5%	150 Ω
R8455	EXB2HV680JV	SMD	.063W	5%	68 Ω
R8456	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8457	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8458	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8459	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8460	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8461	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8463	EXB28V151JX	SMD	.031W	5%	150 Ω
R8464	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8465	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8466	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8467	EXB28V151JX	SMD	.031W	5%	150 Ω
R8468	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8469	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8470	EXB28V151JX	SMD	.031W	5%	150 Ω
R8471	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8476	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8477	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8479	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8487	EXB28V680JX	SMD	.031W	5%	68 Ω
R8488	EXB28V680JX	SMD	.031W	5%	68 Ω
R8489	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8491	ERJ2GEJ223X	SMD	.063W	5%	22K Ω
R8493	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8494	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R8496	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R8501	ERJ2GEJ101X	SMD	.063W	5%	100 Ω
R8502	ERJ2GEJ331X	SMD	.063W	5%	330 Ω
R8503	ERJ2GEJ331X	SMD	.063W	5%	330 Ω
R8504	ERJ2GEJ331X	SMD	.063W	5%	330 Ω
R8506	ERJ2GEJ331X	SMD	.063W	5%	330 Ω
R8508	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8510	D1BB1600A055	SMD	0.1W	1%	160 Ω
R8511	ERJ2GEJ472X	SMD	.063W	5%	4K7 Ω
R8512	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R8514	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8515	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R8516	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R8517	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8520	ERJ2GEJ103X	SMD	.063W	5%	10K Ω

Cct Ref	Parts Number	Description			
R8558	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8575	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8576	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8577	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8578	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8581	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8598	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8599	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8600	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8601	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8602	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8603	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8604	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8605	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8606	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8607	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8608	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8609	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8610	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8611	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8612	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8613	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8614	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8615	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8616	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8617	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8618	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8619	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8620	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8626	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8627	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8628	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8629	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8630	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8634	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8635	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8638	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8639	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8640	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8641	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8642	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8644	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R8645	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8646	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8647	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8652	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8653	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8654	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8658	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8660	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R8661	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8663	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8665	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R8666	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8667	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8670	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R8671	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R8672	EXB2HV680JV	SMD	.063W	5%	68 Ω
R8673	EXB2HV680JV	SMD	.063W	5%	68 Ω
R8674	EXB2HV103JV	SMD	.063W	5%	10K Ω
R8675	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R8677	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8678	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R8679	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R8680	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R8681	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R8683	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8688	EXB2HV680JV	SMD	.063W	5%	68 Ω

Cct Ref	Parts Number	Description			
R8689	EXB2HV680JV	SMD	.063W	5%	68 Ω
R8690	EXB2HV680JV	SMD	.063W	5%	68 Ω
R8691	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8692	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8696	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8697	ERJ2GEJ222X	SMD	.063W	5%	2K2 Ω
R8703	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8712	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8715	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8716	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8718	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8719	EXB28V103JX	SMD	.031W	5%	10K Ω
R8722	EXB28V103JX	SMD	.031W	5%	10K Ω
R8723	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8724	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8725	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8726	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8729	ERJ2GEJ121X	SMD	.063W	5%	120 Ω
R8730	ERJ2GEJ121X	SMD	.063W	5%	120 Ω
R8732	ERJ2GEJ121X	SMD	.063W	5%	120 Ω
R8733	ERJ2GEJ121X	SMD	.063W	5%	120 Ω
R8734	ERJ2GEJ121X	SMD	.063W	5%	120 Ω
R8735	ERJ2GEJ121X	SMD	.063W	5%	120 Ω
R8736	ERJ2GEJ121X	SMD	.063W	5%	120 Ω
R8738	ERJ2GEJ121X	SMD	.063W	5%	120 Ω
R8739	ERJ2GEJ121X	SMD	.063W	5%	120 Ω
R8740	ERJ2GEJ121X	SMD	.063W	5%	120 Ω
R8742	EXB2HV121JV	SMD	.063W	5%	120 Ω
R8745	EXB2HV121JV	SMD	.063W	5%	120 Ω
R8746	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8747	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8750	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8751	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8765	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8767	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8768	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8770	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8802	ERJ2GE0R00X	SMD	.063W	-	0 Ω
R8803	ERJ2GEJ330X	SMD	.063W	5%	33 Ω
R8804	ERJ2GEJ330X	SMD	.063W	5%	33 Ω
R8805	ERJ2GEJ330X	SMD	.063W	5%	33 Ω
R8806	ERJ2GEJ330X	SMD	.063W	5%	33 Ω
R8807	ERJ2GEJ330X	SMD	.063W	5%	33 Ω
R8808	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8855	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8856	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8857	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8858	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8859	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8860	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8862	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8864	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8898	ERJ2GEJ103X	SMD	.063W	5%	10K Ω
R8899	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8954	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8959	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8960	ERJ2GEJ680X	SMD	.063W	5%	68 Ω
R8963	ERJ2GEJ103X	SMD	.063W	5%	10K Ω

CAPACITORS

C1009	F1G1A105A047	S.M.CAP	10V	1000nF
C1040	F1G1H102A730	S.M.CAP	50V	1nF
C1041	F1G1H102A730	S.M.CAP	50V	1nF
C1043	F1G1H102A730	S.M.CAP	50V	1nF
C1044	F1G1H102A730	S.M.CAP	50V	1nF
C1045	F1G1H102A730	S.M.CAP	50V	1nF
C1047	F1G1H102A730	S.M.CAP	50V	1nF
C1050	F1G1H102A730	S.M.CAP	50V	1nF

Cct Ref	Parts Number	Description		
C1051	F1G1H102A730	S.M.CAP	50V	1nF
C1052	F1G1H102A730	S.M.CAP	50V	1nF
C1053	F1G1H102A730	S.M.CAP	50V	1nF
C1102	F1J1A106A043	S.M.CAP	10V	10µF
C1103	F1G1C104A116	S.M.CAP	16V	100nF
C1104	F1G1C104A116	S.M.CAP	16V	100nF
C1105	F1H1A1050032	S.M.CAP	10V	1000nF
C1106	F1H1H330A971	S.M.CAP	50V	33pF
C1107	F1G1H220A731	S.M.CAP	50V	22pF
C1108	F1G1C104A116	S.M.CAP	16V	100nF
C1109	F1H1A1050032	S.M.CAP	10V	1000nF
C1111	F1H1A1050032	S.M.CAP	10V	1000nF
C1112	F1G1C104A116	S.M.CAP	16V	100nF
C1114	F1G1C104A116	S.M.CAP	16V	100nF
C1117	F1G1C104A116	S.M.CAP	16V	100nF
C1122	F1G1E103A123	S.M.CAP	25V	10nF
C1123	F1H1A1050032	S.M.CAP	10V	1000nF
C2023	F1G1C104A116	S.M.CAP	16V	100nF
C2049	F1G1C104A116	S.M.CAP	16V	100nF
C2050	F1G1C104A116	S.M.CAP	16V	100nF
C2055	F1G1H120A731	S.M.CAP	50V	12pF
C2056	F1G1H180A731	S.M.CAP	50V	18pF
C2058	F1G1C104A116	S.M.CAP	16V	100nF
C2059	F1J1A106A043	S.M.CAP	10V	10µF
C2091	F1G1H470A731	S.M.CAP	50V	47pF
C2092	F1G1H220A731	S.M.CAP	50V	22pF
C2096	F1G1C104A116	S.M.CAP	16V	100nF
C2098	EEEHB0J221UP	ELECT	6.3V	220µF
C2099	EEEHB0J221UP	ELECT	6.3V	220µF
C2102	F1G1C104A116	S.M.CAP	16V	100nF
C2105	F1G1C104A116	S.M.CAP	16V	100nF
C2106	F1G1C104A116	S.M.CAP	16V	100nF
C2107	F1J1A106A043	S.M.CAP	10V	10µF
C2108	F1J1A106A043	S.M.CAP	10V	10µF
C2109	F1G1C104A116	S.M.CAP	16V	100nF
C2110	F1G1C104A116	S.M.CAP	16V	100nF
C2111	F1J1A475A039	S.M.CAP	10V	4.7µF
C2112	F1J1A106A043	S.M.CAP	10V	10µF
C2113	F1J1A106A043	S.M.CAP	10V	10µF
C2114	F1G1C104A116	S.M.CAP	16V	100nF
C2115	F1G1C104A116	S.M.CAP	16V	100nF
C2117	F1G1C104A116	S.M.CAP	16V	100nF
C2118	F1J1A475A039	S.M.CAP	10V	4.7µF
C2120	F1G1H560A731	S.M.CAP	50V	56pF
C2121	F1G1H560A731	S.M.CAP	50V	56pF
C2122	F1G1C103A116	S.M.CAP	16V	10nF
C2123	F1G1C103A116	S.M.CAP	16V	10nF
C2124	F1G1C104A116	S.M.CAP	16V	100nF
C2125	F1G1C103A116	S.M.CAP	16V	10nF
C2127	F1G1C103A116	S.M.CAP	16V	10nF
C2128	F1G1C103A116	S.M.CAP	16V	10nF
C2129	F1G1C103A116	S.M.CAP	16V	10nF
C2135	F1G1C103A116	S.M.CAP	16V	10nF
C2136	F1G1C103A116	S.M.CAP	16V	10nF
C2137	F1J1A106A043	S.M.CAP	10V	10µF
C2192	F1J1A106A043	S.M.CAP	10V	10µF
C2216	F1G1C104A116	S.M.CAP	16V	100nF
C2244	F1G1C104A116	S.M.CAP	16V	100nF
C2245	F1G1H102A730	S.M.CAP	50V	1nF
C2251	F1J1A106A043	S.M.CAP	10V	10µF
C2261	F1J1A106A043	S.M.CAP	10V	10µF
C2262	F1J1A106A043	S.M.CAP	10V	10µF
C2263	F1J1A106A043	S.M.CAP	10V	10µF
C2264	F1J1A106A043	S.M.CAP	10V	10µF
C2301	F1G1C104A116	S.M.CAP	16V	100nF
C2302	F1G1C104A116	S.M.CAP	16V	100nF
C2303	F1J1E105A171	S.M.CAP	25V	1µF
C2305	F1J1E105A171	S.M.CAP	25V	1µF

Cct Ref	Parts Number	Description		
C2309	F1J1E105A171	S.M.CAP	25V	1µF
C2313	F1H1A1050032	S.M.CAP	10V	1000nF
C2317	F1H1H104A970	S.M.CAP	50V	100nF
C2319	F1H1H104A970	S.M.CAP	50V	100nF
C2321	F1H1H104A970	S.M.CAP	50V	100nF
C2323	F1H1H104A970	S.M.CAP	50V	100nF
C2325	F1J1H474A757	S.M.CAP	50V	470nF
C2331	F1J1H474A757	S.M.CAP	50V	470nF
C2333	F1H1E104A129	S.M.CAP	25V	100nF
C2335	F1H1E104A129	S.M.CAP	25V	100nF
C2337	F1H1H223A970	S.M.CAP	50V	22nF
C2339	F1H1H223A970	S.M.CAP	50V	22nF
C2341	F1H1E104A129	S.M.CAP	25V	100nF
C2343	F1H1E104A129	S.M.CAP	25V	100nF
C2345	F1H1H223A970	S.M.CAP	50V	22nF
C2347	F1H1H223A970	S.M.CAP	50V	22nF
C2353	F1G1H102A730	S.M.CAP	50V	1nF
C2359	F1G1H102A730	S.M.CAP	50V	1nF
C2361	F2G1E4710007	ELECT	25V	470µF
C2362	F1K1E106A136	S.M.CAP	25V	10µF
C2375	F1H1H223A970	S.M.CAP	50V	22nF
C2377	F1H1H223A970	S.M.CAP	50V	22nF
C2379	F1H1H223A970	S.M.CAP	50V	22nF
C2381	F1H1H223A970	S.M.CAP	50V	22nF
C2383	F1G1H102A730	S.M.CAP	50V	1nF
C2385	F1G1H102A730	S.M.CAP	50V	1nF
C2387	F1G1H102A730	S.M.CAP	50V	1nF
C2389	F1G1H102A730	S.M.CAP	50V	1nF
C2390	F1J1E105A171	S.M.CAP	25V	1µF
C2501	F2G0J470A019	ELECT	6.3V	47µF
C2502	F1G1C103A116	S.M.CAP	16V	10nF
C2505	F1H1C104A143	S.M.CAP	16V	100nF
C2506	F2G0J220A019	ELECT	6.3V	22µF
C2750	F1G1C104A116	S.M.CAP	16V	100nF
C2751	F1G1H102A730	S.M.CAP	50V	1nF
C2752	F1G1H102A730	S.M.CAP	50V	1nF
C2753	F1G1H102A730	S.M.CAP	50V	1nF
C2754	F1G1H102A730	S.M.CAP	50V	1nF
C2755	F1G1H102A730	S.M.CAP	50V	1nF
C2756	F1G1H102A730	S.M.CAP	50V	1nF
C2757	F1G1H102A730	S.M.CAP	50V	1nF
C2758	F1H1E104A129	S.M.CAP	25V	100nF
C2759	F1G1C104A116	S.M.CAP	16V	100nF
C2760	F1K1C1060004	S.M.CAP	16V	10µF
C2761	F1G1C104A116	S.M.CAP	16V	100nF
C2763	F1G1H102A730	S.M.CAP	50V	1nF
C2766	F1G1C104A116	S.M.CAP	16V	100nF
C2767	F1G1C104A116	S.M.CAP	16V	100nF
C2780	F1G1H101A731	S.M.CAP	50V	100pF
C2902	F1H1H222A970	S.M.CAP	50V	2.2nF
C2906	F1H1C104A143	S.M.CAP	16V	100nF
C2907	F1H1C104A143	S.M.CAP	16V	100nF
C2908	F1G1C104A116	S.M.CAP	16V	100nF
C2909	F1H1A1050032	S.M.CAP	10V	1000nF
C2912	F2H0J1010009	ELECT	6.3V	100µF
C2914	F1H1H104A970	S.M.CAP	50V	100nF
C2916	F1H1C104A143	S.M.CAP	16V	100nF
C2920	F1H1H103A970	S.M.CAP	50V	10nF
C2922	F1H1C104A143	S.M.CAP	16V	100nF
C2923	F1H1C104A143	S.M.CAP	16V	100nF
C2927	F1H1H100A971	S.M.CAP	50V	10pF
C2928	F1H1H100A971	S.M.CAP	50V	10pF
C2929	F1G1H102A730	S.M.CAP	50V	1nF
C2937	F1G1H103A735	S.M.CAP	50V	10nF
C2942	F1H1H102A970	S.M.CAP	50V	1nF
C2943	F1H1H102A970	S.M.CAP	50V	1nF
C3002	F1G1H561A730	S.M.CAP	50V	560pF
C3003	F1G1H561A730	S.M.CAP	50V	560pF

Cct Ref	Parts Number	Description		
C3004	F1G1H561A730	S.M.CAP	50V	560pF
C3005	F1G1H561A730	S.M.CAP	50V	560pF
C3007	F1G1H561A730	S.M.CAP	50V	560pF
C3008	F1G1H561A730	S.M.CAP	50V	560pF
C3009	F1G1H561A730	S.M.CAP	50V	560pF
C3010	F1G1H561A730	S.M.CAP	50V	560pF
C3011	F1G1H561A730	S.M.CAP	50V	560pF
C3012	F1G1H561A730	S.M.CAP	50V	560pF
C3013	F1G1H561A730	S.M.CAP	50V	560pF
C3014	F1G1H561A730	S.M.CAP	50V	560pF
C3018	F1J1A106A043	S.M.CAP	10V	10µF
C3019	F1J1A106A043	S.M.CAP	10V	10µF
C3020	F1J1A106A043	S.M.CAP	10V	10µF
C3021	F1J1A106A043	S.M.CAP	10V	10µF
C3022	F1H1A1050032	S.M.CAP	10V	1000nF
C3023	F1G1C104A116	S.M.CAP	16V	100nF
C3024	F1H1A1050032	S.M.CAP	10V	1000nF
C3025	F1H1A1050032	S.M.CAP	10V	1000nF
C3026	F1H1A1050032	S.M.CAP	10V	1000nF
C3027	F1J1A106A043	S.M.CAP	10V	10µF
C3028	F1J1A106A043	S.M.CAP	10V	10µF
C3029	F1J1A106A043	S.M.CAP	10V	10µF
C3030	F1J1A106A043	S.M.CAP	10V	10µF
C3039	F1H1A1050032	S.M.CAP	10V	1000nF
C3041	F1H1A1050032	S.M.CAP	10V	1000nF
C3043	F1H1A1050032	S.M.CAP	10V	1000nF
C3044	F1H1A1050032	S.M.CAP	10V	1000nF
C3046	F1H1A1050032	S.M.CAP	10V	1000nF
C3047	F1H1A1050032	S.M.CAP	10V	1000nF
C3048	F1H1A1050032	S.M.CAP	10V	1000nF
C3049	F1H1A1050032	S.M.CAP	10V	1000nF
C3064	F1G1H102A730	S.M.CAP	50V	1nF
C3065	F1G1H102A730	S.M.CAP	50V	1nF
C3070	F1J1A106A043	S.M.CAP	10V	10µF
C3071	F1J1A106A043	S.M.CAP	10V	10µF
C3072	F1G1C104A116	S.M.CAP	16V	100nF
C3073	F1J1A106A043	S.M.CAP	10V	10µF
C3074	F1J1A106A043	S.M.CAP	10V	10µF
C3075	F1H1A1050032	S.M.CAP	10V	1000nF
C3077	F1G1C104A116	S.M.CAP	16V	100nF
C3078	F1J1A106A043	S.M.CAP	10V	10µF
C3083	F1J1A106A043	S.M.CAP	10V	10µF
C3084	F1J1A106A043	S.M.CAP	10V	10µF
C3085	F1J1A106A043	S.M.CAP	10V	10µF
C3086	F1J1A106A043	S.M.CAP	10V	10µF
C3087	F1J1A106A043	S.M.CAP	10V	10µF
C3088	F1J1A106A043	S.M.CAP	10V	10µF
C3089	F1J1A106A043	S.M.CAP	10V	10µF
C3090	F1J1A106A043	S.M.CAP	10V	10µF
C3091	F1J1A106A043	S.M.CAP	10V	10µF
C3092	F1J1A106A043	S.M.CAP	10V	10µF
C3095	F2G1A101A019	ELECT	10V	100µF
C3097	F2G1A101A019	ELECT	10V	100µF
C3102	F2G1A101A019	ELECT	10V	100µF
C3103	F2G1A101A019	ELECT	10V	100µF
C3107	F1J1A106A043	S.M.CAP	10V	10µF
C3108	F1J1A106A043	S.M.CAP	10V	10µF
C3109	F1J1A106A043	S.M.CAP	10V	10µF
C3114	F1J1A106A043	S.M.CAP	10V	10µF
C3115	F1J1A106A043	S.M.CAP	10V	10µF
C3116	F1J1A106A043	S.M.CAP	10V	10µF
C3117	F1J1A106A043	S.M.CAP	10V	10µF
C3139	F1G1C104A116	S.M.CAP	16V	100nF
C3140	F1G1C104A116	S.M.CAP	16V	100nF
C3141	F1G1C104A116	S.M.CAP	16V	100nF
C3143	F1G1C104A116	S.M.CAP	16V	100nF
C3144	F1J1A106A043	S.M.CAP	10V	10µF
C3145	F1G1C104A116	S.M.CAP	16V	100nF

Cct Ref	Parts Number	Description		
C3146	F1J1A106A043	S.M.CAP	10V	10µF
C3147	F1J1A106A043	S.M.CAP	10V	10µF
C3260	F1G1H561A730	S.M.CAP	50V	560pF
C3261	F1G1H561A730	S.M.CAP	50V	560pF
C3262	F1G1H561A730	S.M.CAP	50V	560pF
C3263	F1G1H561A730	S.M.CAP	50V	560pF
C3701	F1H1H102A970	S.M.CAP	50V	1nF
C3703	F1H1H102A970	S.M.CAP	50V	1nF
C3704	F1H1H392A970	S.M.CAP	50V	3900nF
C3706	F1H1H392A970	S.M.CAP	50V	3900nF
C4239	F1J1A106A043	S.M.CAP	10V	10µF
C4240	F1J1A106A043	S.M.CAP	10V	10µF
C4241	F2G0J220A019	ELECT	6.3V	22µF
C4243	F1G1C104A116	S.M.CAP	16V	100nF
C4250	F1H1H103A970	S.M.CAP	50V	10nF
C4251	F1H1H103A970	S.M.CAP	50V	10nF
C4252	F2G1C470A022	ELECT	16V	47µF
C4500	F1G1C104A116	S.M.CAP	16V	100nF
C4501	F1G1C104A116	S.M.CAP	16V	100nF
C4502	F1G1C104A116	S.M.CAP	16V	100nF
C4503	F1G1C104A116	S.M.CAP	16V	100nF
C4533	F1G1H680A731	S.M.CAP	50V	68pF
C4534	F1G1C104A116	S.M.CAP	16V	100nF
C4535	F1G1C104A116	S.M.CAP	16V	100nF
C4537	F1G1C104A116	S.M.CAP	16V	100nF
C4547	F1G1C104A116	S.M.CAP	16V	100nF
C4548	F1G1C104A116	S.M.CAP	16V	100nF
C4549	F1G1C104A116	S.M.CAP	16V	100nF
C4550	F1G1C104A116	S.M.CAP	16V	100nF
C4551	F1G1C104A116	S.M.CAP	16V	100nF
C4552	F1G1C104A116	S.M.CAP	16V	100nF
C4553	F1G1H102A730	S.M.CAP	50V	1nF
C4554	F2G1C470A022	ELECT	16V	47µF
C4555	F1J1A106A043	S.M.CAP	10V	10µF
C4567	F1G1C104A116	S.M.CAP	16V	100nF
C4574	F1G1C104A116	S.M.CAP	16V	100nF
C4575	F1G1C104A116	S.M.CAP	16V	100nF
C4580	F1G1C104A116	S.M.CAP	16V	100nF
C4585	F1G1C104A116	S.M.CAP	16V	100nF
C4595	F1G1C104A116	S.M.CAP	16V	100nF
C4598	F1J1A106A043	S.M.CAP	10V	10µF
C4599	F1J1A106A043	S.M.CAP	10V	10µF
C4600	F1G1C104A116	S.M.CAP	16V	100nF
C4601	F1J1A106A043	S.M.CAP	10V	10µF
C4602	F1G1C104A116	S.M.CAP	16V	100nF
C4603	F1J1A475A039	S.M.CAP	10V	4.7µF
C4605	F1J1A475A039	S.M.CAP	10V	4.7µF
C4606	F1J1A475A039	S.M.CAP	10V	4.7µF
C4607	F1J1A475A039	S.M.CAP	10V	4.7µF
C4608	F1G1C104A116	S.M.CAP	16V	100nF
C4613	F1H0J1050012	S.M.CAP	6.3V	1000nF
C4616	F1J1A475A039	S.M.CAP	10V	4.7µF
C4617	F1J1A475A039	S.M.CAP	10V	4.7µF
C4624	F1G1C104A116	S.M.CAP	16V	100nF
C4625	F1G1C104A116	S.M.CAP	16V	100nF
C4626	F1G1C104A116	S.M.CAP	16V	100nF
C4628	F1G1C104A116	S.M.CAP	16V	100nF
C4629	F1G1C104A116	S.M.CAP	16V	100nF
C4630	F1G1C104A116	S.M.CAP	16V	100nF
C4631	F1J1A106A043	S.M.CAP	10V	10µF
C4632	F1G1C104A116	S.M.CAP	16V	100nF
C4633	F1J1A106A043	S.M.CAP	10V	10µF
C4634	F1G1C104A116	S.M.CAP	16V	100nF
C4635	F1J1A106A043	S.M.CAP	10V	10µF
C4636	F1G1C104A116	S.M.CAP	16V	100nF
C4637	F1G1C104A116	S.M.CAP	16V	100nF
C4638	F1G1C104A116	S.M.CAP	16V	100nF
C4640	F1G1C104A116	S.M.CAP	16V	100nF

Cct Ref	Parts Number	Description		
C4642	F1G1C104A116	S.M.CAP	16V	100nF
C4643	F1G1C104A116	S.M.CAP	16V	100nF
C4644	F1G1C104A116	S.M.CAP	16V	100nF
C4645	F1G1C104A116	S.M.CAP	16V	100nF
C4702	F1G1C104A116	S.M.CAP	16V	100nF
C4703	F1G1C104A116	S.M.CAP	16V	100nF
C5408	F1J1A106A043	S.M.CAP	10V	10µF
C5410	F1J1E105A171	S.M.CAP	25V	1µF
C5414	F1J1E105A171	S.M.CAP	25V	1µF
C5415	F1J1E105A171	S.M.CAP	25V	1µF
C5421	F1J1A106A043	S.M.CAP	10V	10µF
C5431	F1J1E105A171	S.M.CAP	25V	1µF
C5441	F2G1C100A022	ELECT	16V	10µF
C5443	F2G1V100A020	ELECT	35V	10µF
C5444	F1H1H102A970	S.M.CAP	50V	1nF
C5464	F1H1A1050032	S.M.CAP	10V	1000nF
C5480	F1G1C103A116	S.M.CAP	16V	10nF
C5481	F1H1A1050032	S.M.CAP	10V	1000nF
C5483	F1J1A106A043	S.M.CAP	10V	10µF
C5486	F1G1C473A081	S.M.CAP	16V	47nF
C5487	F1H1C105A008	S.M.CAP	16V	1000nF
C5488	F1G1C473A081	S.M.CAP	16V	47nF
C5489	F1J1A106A043	S.M.CAP	10V	10µF
C5492	F1G1C104A116	S.M.CAP	16V	100nF
C5493	F1H1A1050032	S.M.CAP	10V	1000nF
C5494	F1H1C105A145	S.M.CAP	16V	1000nF
C5602	F2H0J1010009	ELECT	6.3V	100µF
C5603	F1G1C104A116	S.M.CAP	16V	100nF
C5604	ECJ0EB1E682K	S.M.CAP	25V	6.8nF
C5605	F1J1A475A039	S.M.CAP	10V	4.7µF
C5606	F1H1C105A145	S.M.CAP	16V	1000nF
C5607	F1G1H221A459	S.M.CAP	50V	220pF
C5611	F1K1C1060004	S.M.CAP	16V	10µF
C5612	F1K1C1060004	S.M.CAP	16V	10µF
C5615	F1K1C1060004	S.M.CAP	16V	10µF
C5616	F1G1C273A081	S.M.CAP	16V	27nF
C5618	F1K1C1060004	S.M.CAP	16V	10µF
C5619	F1K1C1060004	S.M.CAP	16V	10µF
C5620	F1H1C104A143	S.M.CAP	16V	100nF
C5621	F1G1E103A123	S.M.CAP	25V	10nF
C5622	F1J1A475A039	S.M.CAP	10V	4.7µF
C5623	F1G1H221A459	S.M.CAP	50V	220pF
C5624	F1G1H471A730	S.M.CAP	50V	470pF
C5626	F1G1C104A116	S.M.CAP	16V	100nF
C5627	F1G1C104A116	S.M.CAP	16V	100nF
C5628	ECGRL0E680ER	ELECT	2.5V	68µF
C5629	ECGRL0E680ER	ELECT	2.5V	68µF
C5631	F2G1C470A022	ELECT	16V	47µF
C5632	F1H1C105A145	S.M.CAP	16V	1000nF
C5636	F1G1C104A116	S.M.CAP	16V	100nF
C5637	F1G1C104A116	S.M.CAP	16V	100nF
C5638	F1G1C104A116	S.M.CAP	16V	100nF
C5639	F1G1C104A116	S.M.CAP	16V	100nF
C5640	F1G1C104A116	S.M.CAP	16V	100nF
C5641	F1G1C104A116	S.M.CAP	16V	100nF
C5642	F1K1C1060004	S.M.CAP	16V	10µF
C5643	F1H1C104A143	S.M.CAP	16V	100nF
C5644	F1H1C105A145	S.M.CAP	16V	1000nF
C8003	F1H0J1050012	S.M.CAP	6.3V	1000nF
C8005	F1H0J1050012	S.M.CAP	6.3V	1000nF
C8006	F1G1C104A116	S.M.CAP	16V	100nF
C8007	F1G1C104A116	S.M.CAP	16V	100nF
C8008	F1G1C104A116	S.M.CAP	16V	100nF
C8009	F1J1A106A043	S.M.CAP	10V	10µF
C8010	F1J1A106A043	S.M.CAP	10V	10µF
C8011	F1G1C104A116	S.M.CAP	16V	100nF
C8012	F1G1C104A116	S.M.CAP	16V	100nF
C8013	F1G1C104A116	S.M.CAP	16V	100nF

Cct Ref	Parts Number	Description		
C8014	F1G1C104A116	S.M.CAP	16V	100nF
C8015	F1H0J1050012	S.M.CAP	6.3V	1000nF
C8016	F1H0J1050012	S.M.CAP	6.3V	1000nF
C8017	F1J1A106A043	S.M.CAP	10V	10µF
C8018	F1G1C104A116	S.M.CAP	16V	100nF
C8019	F1G1C104A116	S.M.CAP	16V	100nF
C8020	F1G1C104A116	S.M.CAP	16V	100nF
C8021	F1G1C104A116	S.M.CAP	16V	100nF
C8022	F1H0J1050012	S.M.CAP	6.3V	1000nF
C8023	F1J1A106A043	S.M.CAP	10V	10µF
C8024	F1J1A106A043	S.M.CAP	10V	10µF
C8025	F1G1C104A116	S.M.CAP	16V	100nF
C8026	F1G1C104A116	S.M.CAP	16V	100nF
C8027	F1G1C104A116	S.M.CAP	16V	100nF
C8028	F1G1C104A116	S.M.CAP	16V	100nF
C8029	F1G1C104A116	S.M.CAP	16V	100nF
C8030	F1H0J1050012	S.M.CAP	6.3V	1000nF
C8031	F1H0J1050012	S.M.CAP	6.3V	1000nF
C8032	F1J1A106A043	S.M.CAP	10V	10µF
C8033	F1G1C104A116	S.M.CAP	16V	100nF
C8034	F1G1C104A116	S.M.CAP	16V	100nF
C8035	F1J1A106A043	S.M.CAP	10V	10µF
C8036	F1J1A106A043	S.M.CAP	10V	10µF
C8037	F1G1C104A116	S.M.CAP	16V	100nF
C8038	F1G1C104A116	S.M.CAP	16V	100nF
C8039	F1G1C104A116	S.M.CAP	16V	100nF
C8040	F1G1C104A116	S.M.CAP	16V	100nF
C8041	F1G1C104A116	S.M.CAP	16V	100nF
C8042	ECGRL0G680ER	ELECT	4V	68µF
C8043	F1G1C104A116	S.M.CAP	16V	100nF
C8044	F1G1C104A116	S.M.CAP	16V	100nF
C8045	F1G1C104A116	S.M.CAP	16V	100nF
C8046	F1G1C104A116	S.M.CAP	16V	100nF
C8047	F1G1C104A116	S.M.CAP	16V	100nF
C8048	F1G1C104A116	S.M.CAP	16V	100nF
C8049	F1G1C104A116	S.M.CAP	16V	100nF
C8050	F1G1C104A116	S.M.CAP	16V	100nF
C8051	F1G1C104A116	S.M.CAP	16V	100nF
C8052	F1H0J1050012	S.M.CAP	6.3V	1000nF
C8053	F1G1C103A116	S.M.CAP	16V	10nF
C8054	F1G1H120A731	S.M.CAP	50V	12pF
C8055	F1G1HR50A577	S.M.CAP	50V	0.5pF
C8056	F1G1C104A116	S.M.CAP	16V	100nF
C8057	F1G1C104A116	S.M.CAP	16V	100nF
C8058	F1J1A106A043	S.M.CAP	10V	10µF
C8063	F1H0J1050012	S.M.CAP	6.3V	1000nF
C8064	F1H0J1050012	S.M.CAP	6.3V	1000nF
C8065	F1G1C104A116	S.M.CAP	16V	100nF
C8067	F1G1C104A116	S.M.CAP	16V	100nF
C8069	F1G1H102A730	S.M.CAP	50V	1nF
C8070	F1G1C104A116	S.M.CAP	16V	100nF
C8071	F1G1C104A116	S.M.CAP	16V	100nF
C8072	F1G1C104A116	S.M.CAP	16V	100nF
C8073	F1G1C104A116	S.M.CAP	16V	100nF
C8074	F1G1C104A116	S.M.CAP	16V	100nF
C8075	F1J1A106A043	S.M.CAP	10V	10µF
C8076	F1G1C104A116	S.M.CAP	16V	100nF
C8077	F1G1C104A116	S.M.CAP	16V	100nF
C8078	F1G1C104A116	S.M.CAP	16V	100nF
C8079	F1G1C104A116	S.M.CAP	16V	100nF
C8080	F1G1C104A116	S.M.CAP	16V	100nF
C8081	F1G1C104A116	S.M.CAP	16V	100nF
C8082	F1G1H102A730	S.M.CAP	50V	1nF
C8083	F1G1C104A116	S.M.CAP	16V	100nF
C8084	F1G1H102A730	S.M.CAP	50V	1nF
C8085	F1G1C104A116	S.M.CAP	16V	100nF
C8086	F1G1C104A116	S.M.CAP	16V	100nF
C8087	F1G1C104A116	S.M.CAP	16V	100nF

Cct Ref	Parts Number	Description		
C8088	F1G1C104A116	S.M.CAP	16V	100nF
C8089	F1G1C104A116	S.M.CAP	16V	100nF
C8090	F1G1C104A116	S.M.CAP	16V	100nF
C8092	F1G1C104A116	S.M.CAP	16V	100nF
C8093	F1G1C104A116	S.M.CAP	16V	100nF
C8094	F1G1C104A116	S.M.CAP	16V	100nF
C8095	F1G1C104A116	S.M.CAP	16V	100nF
C8096	F1G1C104A116	S.M.CAP	16V	100nF
C8097	F1G1C104A116	S.M.CAP	16V	100nF
C8098	F1G1C104A116	S.M.CAP	16V	100nF
C8099	F1G1C104A116	S.M.CAP	16V	100nF
C8100	F1G1C104A116	S.M.CAP	16V	100nF
C8101	F1G1C104A116	S.M.CAP	16V	100nF
C8102	F1G1C104A116	S.M.CAP	16V	100nF
C8201	F1G1C104A116	S.M.CAP	16V	100nF
C8202	F1G1C104A116	S.M.CAP	16V	100nF
C8306	F1G1A4740003	S.M.CAP	10V	470nF
C8307	F1G1C104A116	S.M.CAP	16V	100nF
C8309	F1G1C104A116	S.M.CAP	16V	100nF
C8311	F1G1H120A731	S.M.CAP	50V	12pF
C8312	F1G1H120A731	S.M.CAP	50V	12pF
C8313	F1G1C104A116	S.M.CAP	16V	100nF
C8314	F1G1C104A116	S.M.CAP	16V	100nF
C8316	F1G1C271A117	S.M.CAP	16V	270pF
C8317	F1G1C271A117	S.M.CAP	16V	270pF
C8319	F1G1C104A116	S.M.CAP	16V	100nF
C8320	F1G1C104A116	S.M.CAP	16V	100nF
C8321	F1G1C104A116	S.M.CAP	16V	100nF
C8327	F1H1A225A051	S.M.CAP	10V	2200nF
C8328	F1H1A1050032	S.M.CAP	10V	1000nF
C8329	F1G1C104A116	S.M.CAP	16V	100nF
C8330	F1G1C104A116	S.M.CAP	16V	100nF
C8331	F1G1C104A116	S.M.CAP	16V	100nF
C8332	F1G1C104A116	S.M.CAP	16V	100nF
C8333	F1G1C104A116	S.M.CAP	16V	100nF
C8334	F1G1C104A116	S.M.CAP	16V	100nF
C8335	F1G1C104A116	S.M.CAP	16V	100nF
C8336	F1G1C104A116	S.M.CAP	16V	100nF
C8340	F1G1C104A116	S.M.CAP	16V	100nF
C8343	F1G1C104A116	S.M.CAP	16V	100nF
C8344	F1G1C104A116	S.M.CAP	16V	100nF
C8345	F1G1C104A116	S.M.CAP	16V	100nF
C8346	F1G1C104A116	S.M.CAP	16V	100nF
C8405	F1G1C104A116	S.M.CAP	16V	100nF
C8408	F1G1C104A116	S.M.CAP	16V	100nF
C8409	F1G1C104A116	S.M.CAP	16V	100nF
C8410	F1G1C104A116	S.M.CAP	16V	100nF
C8411	F2G1A101A019	ELECT	10V	100µF
C8412	F1G1C104A116	S.M.CAP	16V	100nF
C8413	F1G1C104A116	S.M.CAP	16V	100nF
C8414	F1G1C104A116	S.M.CAP	16V	100nF
C8415	F1G1C104A116	S.M.CAP	16V	100nF
C8416	F1G1E103A123	S.M.CAP	25V	10nF
C8417	F1G1E103A123	S.M.CAP	25V	10nF
C8418	F1G1C104A116	S.M.CAP	16V	100nF
C8508	F1G1C103A116	S.M.CAP	16V	10nF
C8510	F1J1A106A043	S.M.CAP	10V	10µF
C8532	F2G1C470A022	ELECT	16V	47µF
C8533	F1G1C104A116	S.M.CAP	16V	100nF
C8535	F1G1C103A116	S.M.CAP	16V	10nF
C8544	F1J0G2260001	S.M.CAP	4V	22µF
C8580	F1G1C104A116	S.M.CAP	16V	100nF
C8581	F1G1C104A116	S.M.CAP	16V	100nF
C8582	F1G1C104A116	S.M.CAP	16V	100nF
C8583	F1G1C104A116	S.M.CAP	16V	100nF
C8584	F1G1C104A116	S.M.CAP	16V	100nF
C8619	F1G1H102A730	S.M.CAP	50V	1nF
C8800	F1G1H102A730	S.M.CAP	50V	1nF

Cct Ref	Parts Number	Description
TERMINALS AND LINKS		
A01	K1KA04B00273	4P CONNECTOR
A03	K1KY23AA0607	23P CONNECTOR
A04	K1KB11AA0032	11P CONNECTOR
A10	K1KA08B00270	8P CONNECTOR
A11	K1KB51B00003	51P CONNECTOR
A12	K1KA04AA0190	4P CONNECTOR
A20	K1KA05A00466	5P CONNECTOR
A20-P4	TXJA20PDD-1	WIRE
CN0100	K1KA08AA0714	8P CONNECTOR
D3015	K7AAAY000005	OPT TERMINAL
G04	K1KA11A00124	11P CONNECTOR
JK3001	K1FY315A0003	PC TERMINAL
JK3002	K1FB121A0017	SCART TERMINAL
JK3003	K1FB121A0017	SCART TERMINAL
JK3100	K2HA7YYA0003	YUV TERMINAL_AUDO I/O
JK3700	K4AK16B00001	AV3 TERMINAL
JK4500	K1FY119D0006	HDMI CONNECTOR
JK4501	K1FY119D0006	HDMI CONNECTOR
JK4502	K1FY119E0005	HDMI CONNECTOR
JK8302	K1NA09E00080	SD SLOT
JK8401	K1NA68B00053	CI SLOT
V10	K1KA08B00270	8P CONNECTOR

DIFFERENCES FOR MODEL TX--L32S10B

EXPLODED VIEW

18	A-L32S10B	A P.C.B.	X	RTL	⚠
19	K2CT2YY00026	AC CORD			⚠
20	TTU0E0518-4	BACK COVER ASSY			⚠
21	TTY0E0443	CABINET ASSY			⚠
22	TUA0E6300	LCD BOTTOM MTG			
23	L5EDD8T00004	LCD PANEL			⚠
24	TBM0E1804	MODEL LABEL			⚠
25	N0AC3FJ00001	P UNIT			⚠
26	TBLA0408	PEDESTAL ASSY			
27	TXFKZ010PJB	VESA METAL ASSY			

MISCELLANEOUS COMPONENTS

.	TBM0E9033	REAR AV LABEL_TOP			
.	TMK0E150	FELT (0.9X50X19)			
BOTCUS	TPD0E2068	BOTTOM CUSHION			
CARTON	TPC0E55101A	CARTON			⚠
CK311	TMMX246	SUPPORT MOLD A			
CK313	TMMX246	SUPPORT MOLD A			
TOPCUS	TPD0E1085	TOP CUSHION			

INSTRUCTION BOOKS

.	TQB0E0783	ENGLISH			⚠

I.C.s

IC8502	X24CL32S10B	EEPROM PEAKS-AVC			

RESISTORS

JS1014	ERJ2GE0R00X	SMD	.063W	-	0 Ω

TERMINALS AND LINKS

A01-S01	TXJA01PDD-2	WIRE			
A10-V10	TXJA10PDD-2	WIRE			
A11-PAN	K1PY51Y00019	LVDS WIRE			
A12-SP	TXJA12PDD-1	WIRE			

DIFFERENCES FOR MODEL TX--L32S10E

EXPLODED VIEW

18	A-L32S10E	A P.C.B.	X	RTL	⚠
19	K2CQ2YY00030	AC CORD			⚠
20	TTU0E0518-4	BACK COVER ASSY			⚠
21	TTY0E0443	CABINET ASSY			⚠
22	TUA0E6300	LCD BOTTOM MTG			
23	L5EDD8T00004	LCD PANEL			⚠
24	TBM0E1783	MODEL LABEL			⚠
25	N0AC3FJ00001	P UNIT			⚠
26	TBLA0408	PEDESTAL ASSY			
27	TXFKZ010PJB	VESA METAL ASSY			

MISCELLANEOUS COMPONENTS

.	TBM0E9016	REAR AV LABEL_TOP	
BOTCUS	TPD0E2068	BOTTOM CUSHION	
CARTON	TPC0E55101A	CARTON	⚠
CK311	TMMX246	SUPPORT MOLD A	
CK313	TMMX246	SUPPORT MOLD A	
TOPCUS	TPD0E1085	TOP CUSHION	

INSTRUCTION BOOKS

.	TQB0E0780A	GERMAN	⚠
.	TQB0E0780B	DUTCH	⚠
.	TQB0E0780C	ITALIAN	⚠
.	TQB0E0780D	FRENCH	⚠
.	TQB0E0780E	SPANISH	⚠
.	TQB0E0780F	SWEDISH	⚠
.	TQB0E0780G	NORWEGIAN	⚠
.	TQB0E0780H	FINNISH	⚠
.	TQB0E0780I	LITHUANIAN	⚠
.	TQB0E0780J	PORTUGUESE	⚠
.	TQB0E0780K	DANISH	⚠
.	TQB0E0780M	BULGARIAN	⚠
.	TQB0E0780N	ROMANIAN	⚠
.	TQB0E0780O	LATVIAN	⚠
.	TQB0E0780P	POLISH	⚠
.	TQB0E0780Q	HUNGARIAN	⚠
.	TQB0E0780R	CZECH	⚠
.	TQB0E0780S	GREEK	⚠
.	TQB0E0780T	TURKISH	⚠
.	TQB0E0780U	ENGLISH	⚠
.	TQB0E0780V	CROATIAN	⚠
.	TQB0E0780W	SLOVAKIAN	⚠
.	TQB0E0780X	CD ROM	⚠
.	TQB0E0780Z	ESTONIAN	⚠

I.C.s

IC8502	X24CL32S10E	EEPROM PEAKS-AVC

TERMINALS AND LINKS

A01-S01	TXJA01PDD-2	WIRE
A10-V10	TXJA10PDD-2	WIRE
A11-PAN	K1PY51Y00019	LVDS WIRE
A12-SP	TXJA12PDD-1	WIRE

DIFFERENCES FOR MODEL TX--L32S10L

EXPLODED VIEW

18	A-L32S10L	A P.C.B.	X	RTL	⚠
19	K2CT2YY00026	AC CORD			⚠
20	TTU0E0518-4	BACK COVER ASSY			⚠
21	TTY0E0443	CABINET ASSY			⚠
22	TUA0E6300	LCD BOTTOM MTG			
23	L5EDD8T00004	LCD PANEL			⚠
24	TBM0E1788	MODEL LABEL			⚠
25	N0AC3FJ00001	P UNIT			⚠
26	TBLA0408	PEDESTAL ASSY			
27	TXFKZ010PJB	VESA METAL ASSY			

MISCELLANEOUS COMPONENTS

.	TBM0E9034	REAR AV LABEL_TOP	
.	TMK0E150	FELT (0.9X50X19)	
BOTCUS	TPD0E2068	BOTTOM CUSHION	
CARTON	TPC0E55101A	CARTON	⚠
CK311	TMMX246	SUPPORT MOLD A	
CK313	TMMX246	SUPPORT MOLD A	
TOPCUS	TPD0E1085	TOP CUSHION	

Cct Ref	Parts Number	Description			
INSTRUCTION BOOKS					
.	TQB0E0778	ENGLISH			⚠
I.C.s					
IC8502	X24CL32S10L	EEPROM PEAKS-AVC			
TERMINALS AND LINKS					
A01-S01	TXJA01PDD-2	WIRE			
A10-V10	TXJA10PDD-2	WIRE			
A11-PAN	K1PY51Y00019	LVDS WIRE			
A12-SP	TXJA12PDD-1	WIRE			

DIFFERENCES FOR MODEL TX--L37S10B

EXPLODED VIEW					
18	A-L37S10B	A P.C.B.	X	RTL	⚠
19	K2CT2YY00025	AC CORD			⚠
20	TTU0E0519-2	BACK COVER ASSY			⚠
21	TTY0E0434	CABINET ASSY			⚠
22	TUA0E6100	LCD BOTTOM MTG			
23	L5EDD9T00009	LCD PANEL			⚠
24	TBM0E1803	MODEL LABEL			⚠
25	N0AC3FJ00002	P UNIT			⚠
26	TBLA0412	PEDESTAL ASSY			
27	TXFKZ010PSC	VESA METAL ASSY			
MISCELLANEOUS COMPONENTS					
.	TBM0E9033	REAR AV LABEL_TOP			
.	TMK0E118	FELT			
.	TMK0E150	FELT (0.9X50X19)			
.	XTS4+12GFN	SCREW			
BOTCUS	TPD0E2069	BOTTOM CUSHION			
CARTON	TPC0E55201A	CARTON			⚠
CK312	TMME344	SUPPORT MOLD C			
CK313	TMME344	SUPPORT MOLD C			
CK316	TMMX246	SUPPORT MOLD A			
CK318	TMMX246	SUPPORT MOLD A			
TOPCUS	TPD0E1086	TOP CUSHION			
INSTRUCTION BOOKS					
.	TQB0E0783	ENGLISH			⚠
I.C.s					
IC8502	X24CL37S10B	EEPROM PEAKS-AVC			
RESISTORS					
JS1014	ERJ2GE0R00X	SMD	.063W	-	0 Ω
TERMINALS AND LINKS					
A01-S01	TXJA01PCD-2	WIRE			
A10-V10	TXJA10PCD-2	WIRE			
A11-PAN	K1PY51Y00021	LVDS WIRE			
A12-SP	TXJA12PCD-1	WIRE			

DIFFERENCES FOR MODEL TX--L37S10E

EXPLODED VIEW					
18	A-L37S10E	A P.C.B.	X	RTL	⚠
19	K2CQ2YY00029	AC CORD			⚠
20	TTU0E0519-2	BACK COVER ASSY			⚠
21	TTY0E0434	CABINET ASSY			⚠
22	TUA0E6100	LCD BOTTOM MTG			
23	L5EDD9T00009	LCD PANEL			⚠
24	TBM0E1782	MODEL LABEL			⚠
25	N0AC3FJ00002	P UNIT			⚠
26	TBLA0412	PEDESTAL ASSY			
27	TXFKZ010PSC	VESA METAL ASSY			
MISCELLANEOUS COMPONENTS					
.	TBM0E9016	REAR AV LABEL_TOP			
.	TMK0E118	FELT			
.	XTS4+12GFN	SCREW			

Cct Ref	Parts Number	Description			
BOTCUS	TPD0E2069	BOTTOM CUSHION			
CARTON	TPC0E55201A	CARTON			⚠
CK312	TMME344	SUPPORT MOLD C			
CK313	TMME344	SUPPORT MOLD C			
CK316	TMMX246	SUPPORT MOLD A			
CK318	TMMX246	SUPPORT MOLD A			
TOPCUS	TPD0E1086	TOP CUSHION			
INSTRUCTION BOOKS					
.	TQB0E0780A	GERMAN			⚠
.	TQB0E0780B	DUTCH			⚠
.	TQB0E0780C	ITALIAN			⚠
.	TQB0E0780D	FRENCH			⚠
.	TQB0E0780E	SPANISH			⚠
.	TQB0E0780F	SWEDISH			⚠
.	TQB0E0780G	NORWEGIAN			⚠
.	TQB0E0780H	FINNISH			⚠
.	TQB0E0780I	LITHUANIAN			⚠
.	TQB0E0780J	PORTUGUESE			⚠
.	TQB0E0780K	DANISH			⚠
.	TQB0E0780M	BULGARIAN			⚠
.	TQB0E0780N	ROMANIAN			⚠
.	TQB0E0780O	LATVIAN			⚠
.	TQB0E0780P	POLISH			⚠
.	TQB0E0780Q	HUNGARIAN			⚠
.	TQB0E0780R	CZECH			⚠
.	TQB0E0780S	GREEK			⚠
.	TQB0E0780T	TURKISH			⚠
.	TQB0E0780U	ENGLISH			⚠
.	TQB0E0780V	CROATIAN			⚠
.	TQB0E0780W	SLOVAKIAN			⚠
.	TQB0E0780X	CD ROM			⚠
.	TQB0E0780Z	ESTONIAN			⚠
I.C.s					
IC8502	X24CL37S10E	EEPROM PEAKS-AVC			
TERMINALS AND LINKS					
A01-S01	TXJA01PCD-2	WIRE			
A10-V10	TXJA10PCD-2	WIRE			
A11-PAN	K1PY51Y00021	LVDS WIRE			
A12-SP	TXJA12PCD-1	WIRE			

DIFFERENCES FOR MODEL TX--L37S10L

EXPLODED VIEW					
18	A-L37S10L	A P.C.B.	X	RTL	⚠
19	K2CT2YY00025	AC CORD			⚠
20	TTU0E0519-2	BACK COVER ASSY			⚠
21	TTY0E0434	CABINET ASSY			⚠
22	TUA0E6100	LCD BOTTOM MTG			
23	L5EDD9T00009	LCD PANEL			⚠
24	TBM0E1787	MODEL LABEL			⚠
25	N0AC3FJ00002	P UNIT			⚠
26	TBLA0412	PEDESTAL ASSY			
27	TXFKZ010PSC	VESA METAL ASSY			
MISCELLANEOUS COMPONENTS					
.	TBM0E9034	REAR AV LABEL_TOP			
.	TMK0E118	FELT			
.	TMK0E150	FELT (0.9X50X19)			
.	XTS4+12GFN	SCREW			
BOTCUS	TPD0E2069	BOTTOM CUSHION			
CARTON	TPC0E55201A	CARTON			⚠
CK312	TMME344	SUPPORT MOLD C			
CK313	TMME344	SUPPORT MOLD C			
CK316	TMMX246	SUPPORT MOLD A			
CK318	TMMX246	SUPPORT MOLD A			
TOPCUS	TPD0E1086	TOP CUSHION			

Cct Ref	Parts Number	Description			
INSTRUCTION BOOKS					
.	TQB0E0778	ENGLISH			⚠
I.C.s					
IC8502	X24CL37S10L	EEPROM PEAKS-AVC			
TERMINALS AND LINKS					
A01-S01	TXJA01PCD-2	WIRE			
A10-V10	TXJA10PCD-2	WIRE			
A11-PAN	K1PY51Y00021	LVDS WIRE			
A12-SP	TXJA12PCD-1	WIRE			

DIFFERENCES FOR MODEL TX--LF32S10

EXPLODED VIEW					
18	A-LF32S10	A P.C.B.	X	RTL	⚠
19	K2CQ2YY00030	AC CORD			⚠
20	TTU0E0518-4	BACK COVER ASSY			⚠
21	TTY0E0443	CABINET ASSY			⚠
22	TUA0E6300	LCD BOTTOM MTG			
23	L5EDD8T00004	LCD PANEL			⚠
24	TBM0E1692	MODEL LABEL			⚠
25	N0AC3FJ00001	P UNIT			⚠
26	TBLA0408	PEDESTAL ASSY			
27	TXFKZ010PJB	VESA METAL ASSY			
MISCELLANEOUS COMPONENTS					
.	TBM0E9016	REAR AV LABEL_TOP			
BOTCUS	TPD0E2068	BOTTOM CUSHION			
CARTON	TPC0E55101A	CARTON			⚠
CK311	TMMX246	SUPPORT MOLD A			
CK313	TMMX246	SUPPORT MOLD A			
TOPCUS	TPD0E1085	TOP CUSHION			
INSTRUCTION BOOKS					
.	TQB0E0767D	FRENCH			⚠
.	TQB0E0767U	ENGLISH			⚠
I.C.s					
IC8502	X24CLF32S10	EEPROM PEAKS-AVC			
TERMINALS AND LINKS					
A01-S01	TXJA01PDD-2	WIRE			
A10-V10	TXJA10PDD-2	WIRE			
A11-PAN	K1PY51Y00019	LVDS WIRE			
A12-SP	TXJA12PDD-1	WIRE			

DIFFERENCES FOR MODEL TX--LF37S10

EXPLODED VIEW					
18	A-LF37S10	A P.C.B.	X	RTL	⚠
19	K2CQ2YY00029	AC CORD			⚠
20	TTU0E0519-2	BACK COVER ASSY			⚠
21	TTY0E0434	CABINET ASSY			⚠
22	TUA0E6100	LCD BOTTOM MTG			
23	L5EDD9T00009	LCD PANEL			⚠
24	TBM0E1691	MODEL LABEL			⚠
25	N0AC3FJ00002	P UNIT			⚠
26	TBLA0412	PEDESTAL ASSY			
27	TXFKZ010PSC	VESA METAL ASSY			
MISCELLANEOUS COMPONENTS					
.	TBM0E9016	REAR AV LABEL_TOP			
.	TMK0E118	FELT			
.	XTS4+12GFN	SCREW			
BOTCUS	TPD0E2069	BOTTOM CUSHION			
CARTON	TPC0E55201A	CARTON			⚠
CK312	TMME344	SUPPORT MOLD C			
CK313	TMME344	SUPPORT MOLD C			
CK316	TMMX246	SUPPORT MOLD A			
CK318	TMMX246	SUPPORT MOLD A			
TOPCUS	TPD0E1086	TOP CUSHION			

Cct Ref	Parts Number	Description	
INSTRUCTION BOOKS			
.	TQB0E0767D	FRENCH	⚠
.	TQB0E0767U	ENGLISH	⚠
I.C.s			
IC8502	X24CLF37S10	EEPROM PEAKS-AVC	
TERMINALS AND LINKS			
A01-S01	TXJA01PCD-2	WIRE	
A10-V10	TXJA10PCD-2	WIRE	
A11-PAN	K1PY51Y00021	LVDS WIRE	
A12-SP	TXJA12PCD-1	WIRE	

Schematic Diagrams

IMPORTANT SAFETY NOTICE

Components identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturers' specified parts.

NOTE

1. RESISTOR
   All resistors are carbon ¼W resistor, unless marked otherwise.
   Unit of resistance is OHM (Ω) (k=1,000, M=1,000,000)
2. CAPACITORS
   All capacitors are ceramic 50V unless marked otherwise.
   Unit of capacitance is μF unless otherwise stated.
3. COIL
   Unit of inductance is μH, unless otherwise stated.

4. TEST POINT

Test Point Position

5. EARTH SYMBOL

Chassis Earth (Cold)

Line Earth (Hot)

6. VOLTAGE MEASUREMENT
   Voltage is measured by a D.C. voltmeter.
   Measurement conditions are as follows:

Power source	220V-240V AC, 50Hz
Receiving Signal	Colour Bar signal (RF)
All customer controls	Maximum position

7.

Indicates the Video signal path

Indicates the Audio signal path

These schematic diagrams are the latest at time of printing and are subject to change without notice.

REMARKS

a. Do not touch the hot part, or the hot and cold parts at the same time, as you are liable to a shock hazard.

b. Do not short circuit the hot and cold circuits as electrical components may be damaged.

c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously as this may cause fuse failure. Connect the earth of the instruments to the earth connection of the circuit being measured.

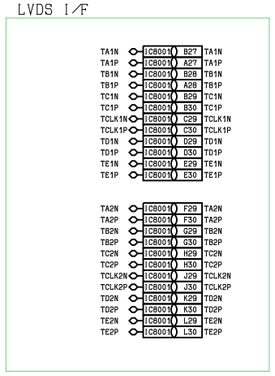
d. Make sure to disconnect the power plug before removing the chassis.

NOTE

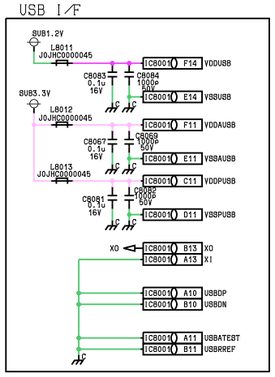
1. The Power Supply Circuit contains a circuit area, which uses a separate power supply to isolate the earth connection. The circuit is defined by HOT and COLD indications in the schematic diagram. All circuits, except the Power Circuit, are COLD.

A-BOARD TNP8EA102 (1/19)

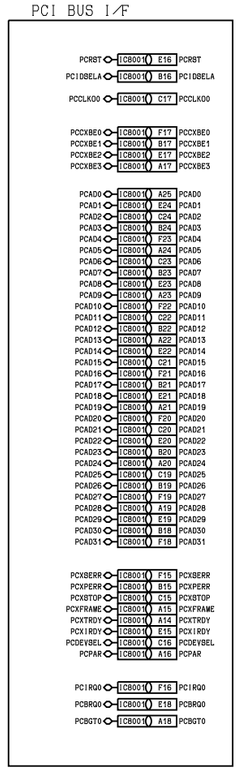
LVDS I/F



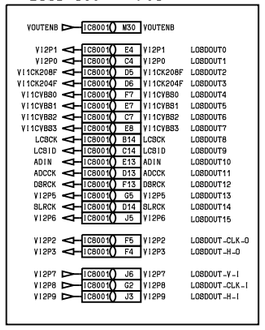
USB I/F



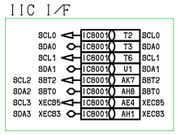
PCI BUS I/F



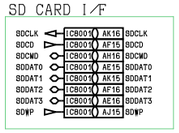
LOSD OUT--> PIO



IIC I/F

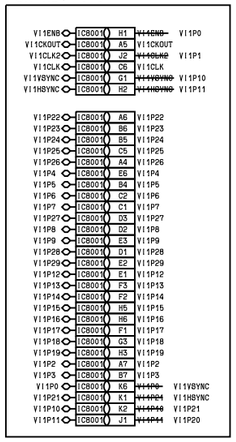


SD CARD I/F

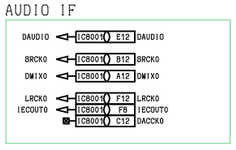


JTAG

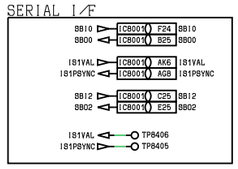
FOR ADV7470



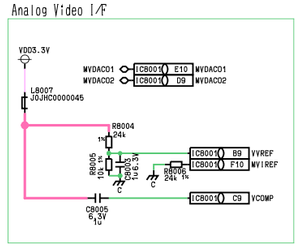
AUDIO IF



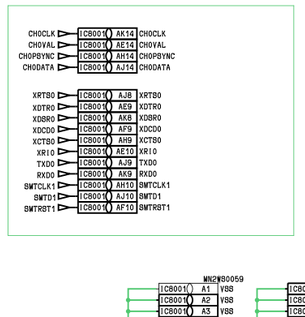
SERIAL I/F



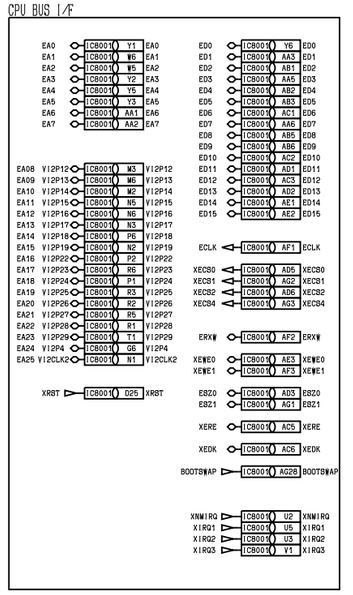
Analog Video I/F



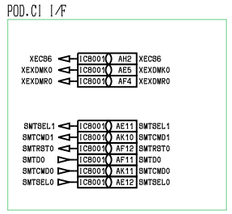
CH.IS IF



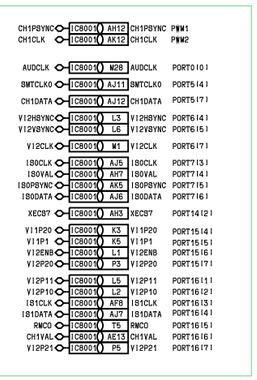
CPU BUS I/F



POD.CI I/F

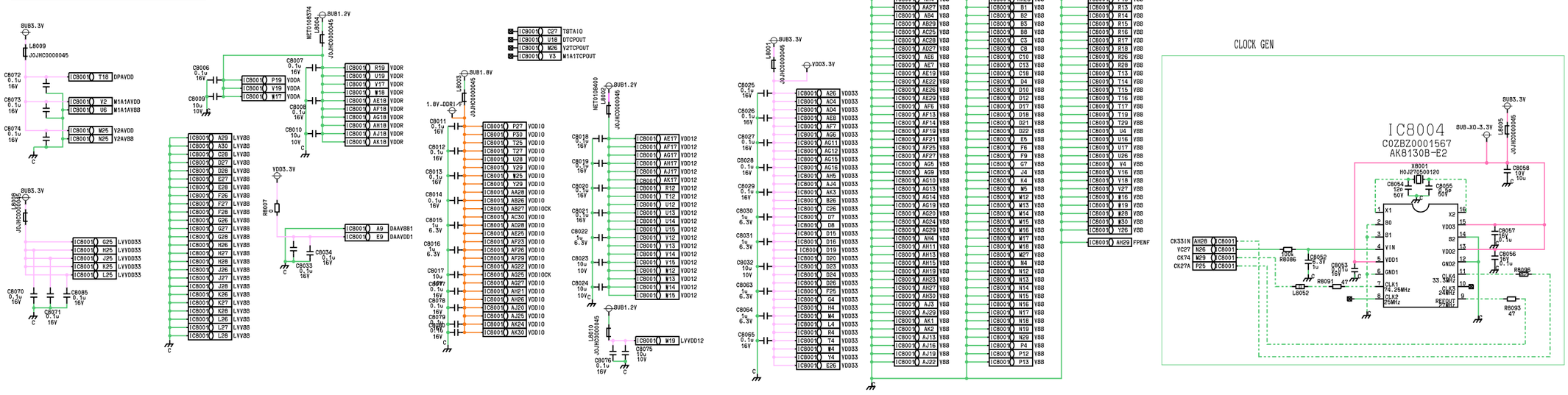


COMMON PORT .etc

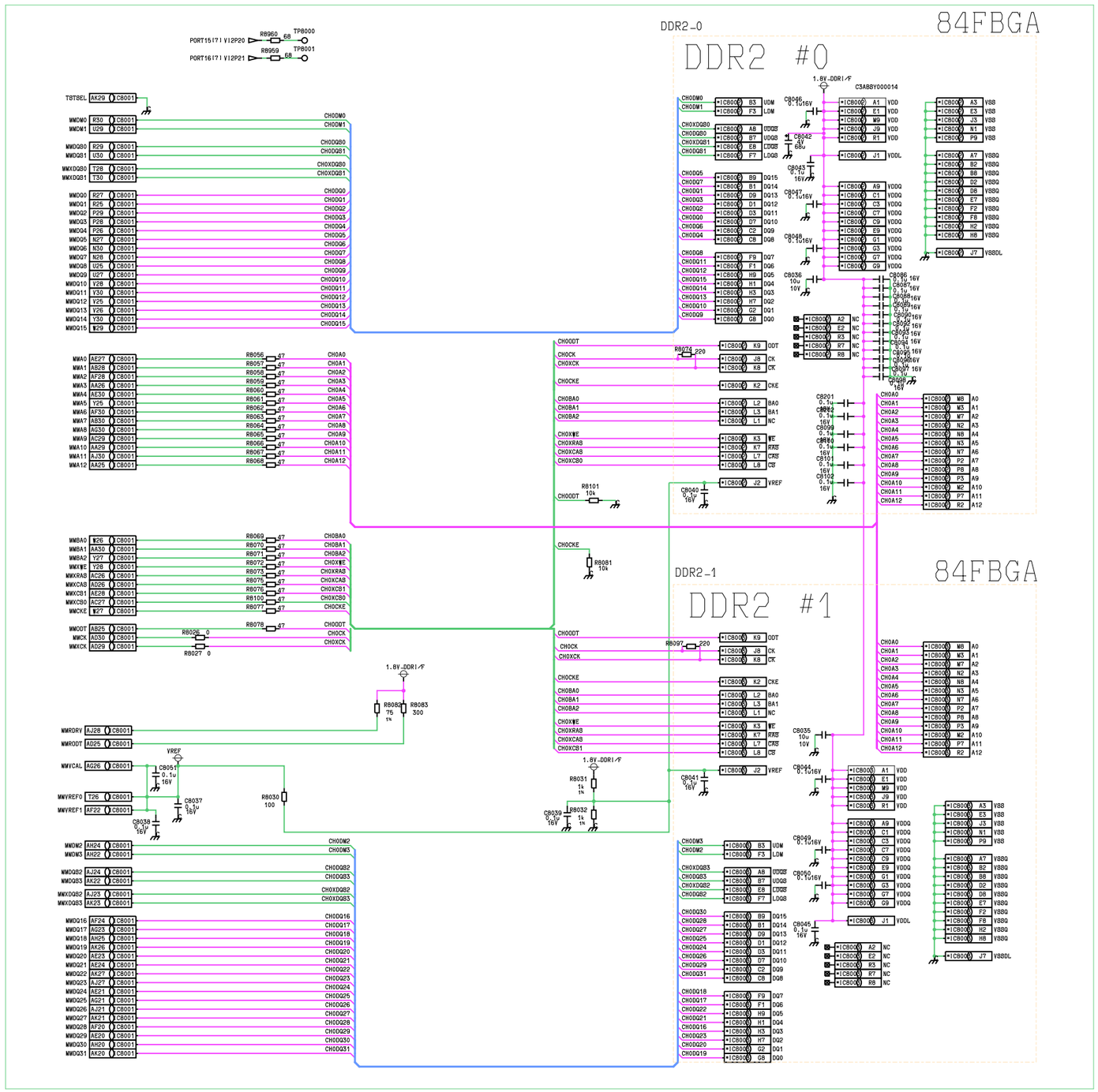


NAND IF

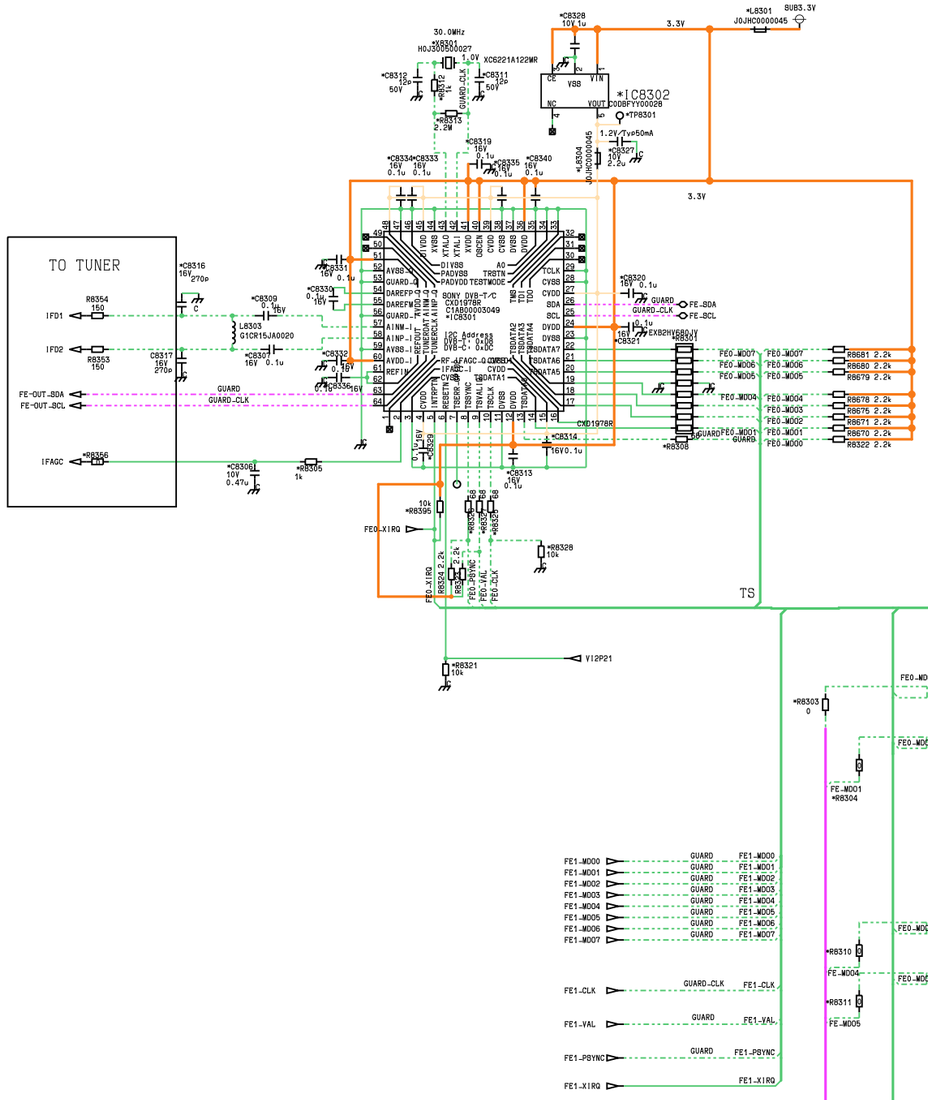
CLOCK GEN



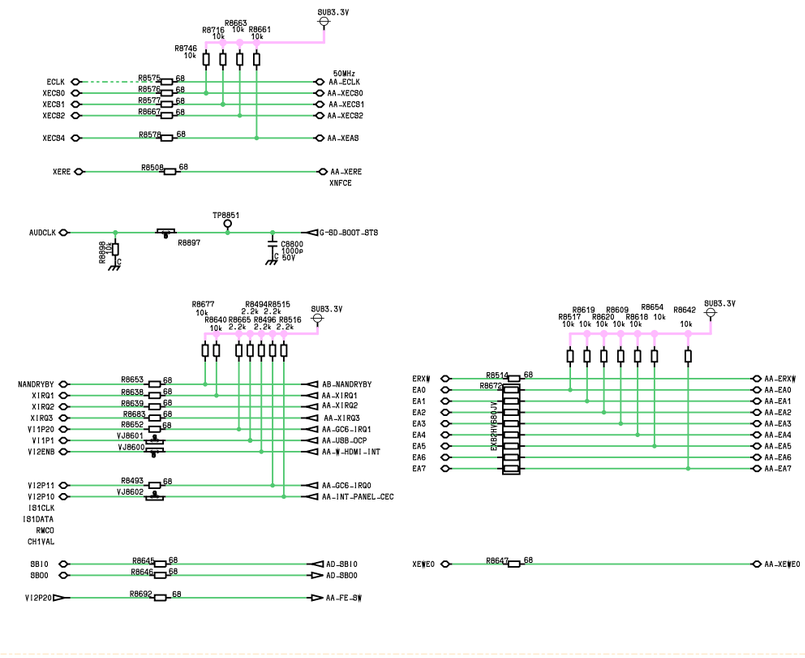
A-BOARD TNP8EA102 (2/19)



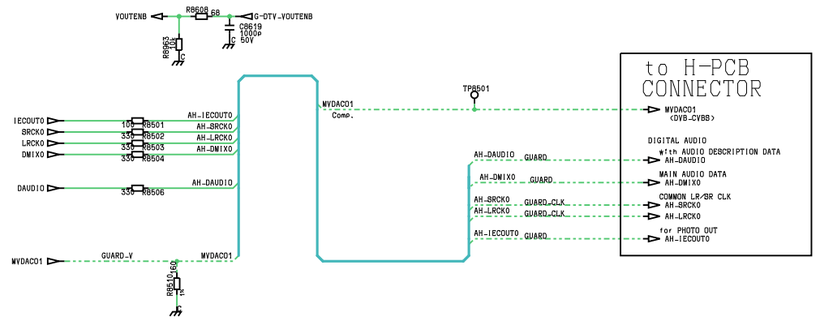
A-BOARD TNP8EA102 (3/19)



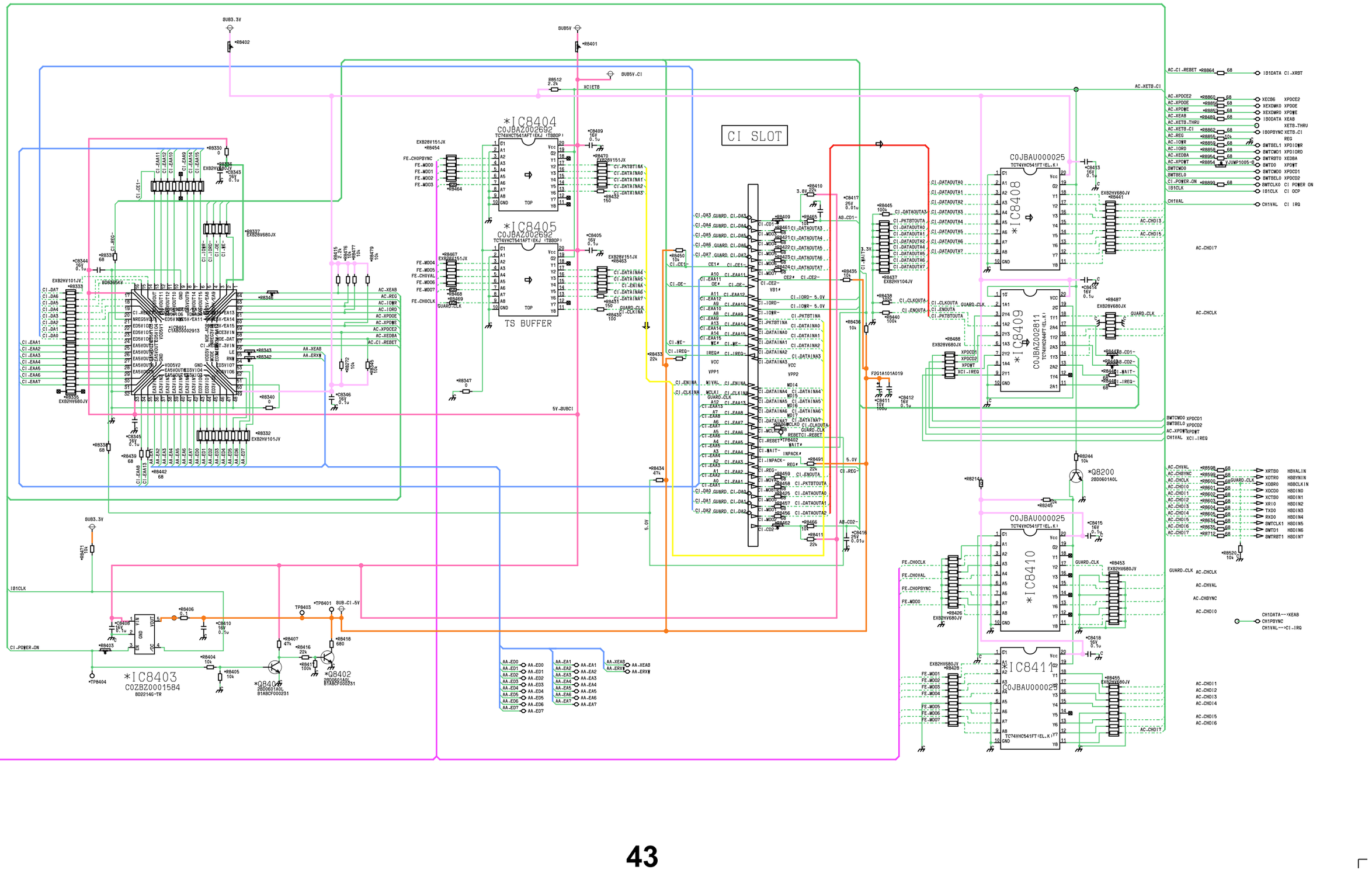
CPU_BUS



AV_OUT



A-BOARD TNP8EA102 (4/19)


CI SLOT
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C0JBAZ002692
TC74VHC541AFT(EKJ (T8SOP)
TS BUFFER
*IC8405
C0JBAZ002692
TC74VHC541AFT(EKJ (T8SOP)
C0JBAU000025
TC74VHC541FT(EL,K)
*IC8408
C0JBAU000025
TC74VHC541FT(EL,K)
*IC8409
C0JBAZ002811
TC74VHC244FT(EL,K)
*IC8410
C0JBAU000025
TC74VHC541FT(EL,K)
*IC8411
C0JBAU000025
TC74VHC541FT(EL,K)
*IC8403
C0ZBZ0001584
B022140-TR
*Q8400
2SD0601A0L
*Q8402
2SD0601A0L
*Q8200
2SD0601A0L
SUB3.3V
SUB5V
SUB5V-CI
5V-SUBCI
SUB-CI-5V
CI-POWER-ON
IS1CLK
XCIETS
AC-XETS-CI
AC-CI-RESET
AC-XPDCE2
AC-XPDOE
AC-XPDWE
AC-XEAB
AC-XETS-THRU
AC-XETS-CI
AC-REG
AC-IOWR
AC-IORD
AC-XEDBA
AC-XPDWT
SWTCMD0
SWTBEL0
CI-POWER-ON
IS1CLK
CH1VAL
AC-CHDI3
AC-CHDI5
AC-CHDI7
AC-CHCLK
AC-CHVAL
AC-CHSYNC
AC-CHDI0
AC-CHDI1
AC-CHDI2
AC-CHDI3
AC-CHDI4
AC-CHDI5
AC-CHDI6
AC-CHDI7
GUARD-CLK
XPDCD1
XPDCD2
XCI-IREQ
IS1DATA CI-XRST
XECB6 XPDCE2
XEXDMKO XPDOE
XEXDMRO XPDWE
IS0DATA XEAB
XETS-THRU
IS0PSYNC XETS-CI
REG
SWTBEL1 XPDIOWR
SWTCMD1 XPDIORD
SWTRSTO XEDBA
SWTDO XPDWT
SWTCMD0 XPDCD1
SWTBEL0 XPDCD2
SWTCLKO CI POWER ON
IS1CLK CI OCP
CH1VAL CI IRQ
CH1DATA-->XEAB
CH1PSYNC
CH1VAL-->*CI-IRQ
HSVALIN
HSBYNIN
HSBCLKIN
HSDIN0
HSDIN1
HSDIN2
HSDIN3
HSDIN4
HSDIN5
HSDIN6
HSDIN7
XRTS0
XDTR0
XDSR0
XCD0
XCTS0
XRI0
TXD0
RXD0
SWTCLK1
SWTD1
SWTRST1
CI-CE1-
CI-REG-
CI-IOWR-
CI-IORD-
CI-WE-
CI-OE-
CI-IREQ-
CI-WAIT-
CI-INPACK-
CI-RESET
CI-ENINA
CI-CLKINA
CI-ENOUTA
CI-CLKOUTA
CI-PKTSTOUTA
CI-PKTSTINA
CI-DATAOUTA0
CI-DATAOUTA1
CI-DATAOUTA2
CI-DATAOUTA3
CI-DATAOUTA4
CI-DATAOUTA5
CI-DATAOUTA6
CI-DATAOUTA7
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AA-EA5
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AA-EA7
AA-XEAB
AA-ERX#
FE-CH0PSYNC
FE-MD00
FE-MD01
FE-MD02
FE-MD03
FE-MD04
FE-MD05
FE-CH0VAL
FE-MD06
FE-MD07
FE-CH0CLK
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EXB2HV680JV
EXB28V680JX
EXB2HV101JV
EXB2HV104JV
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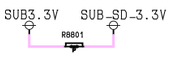
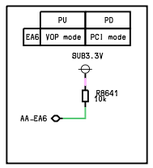
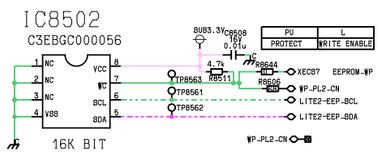
A-BOARD TNP8EA102 (5/19)

SD_POWER

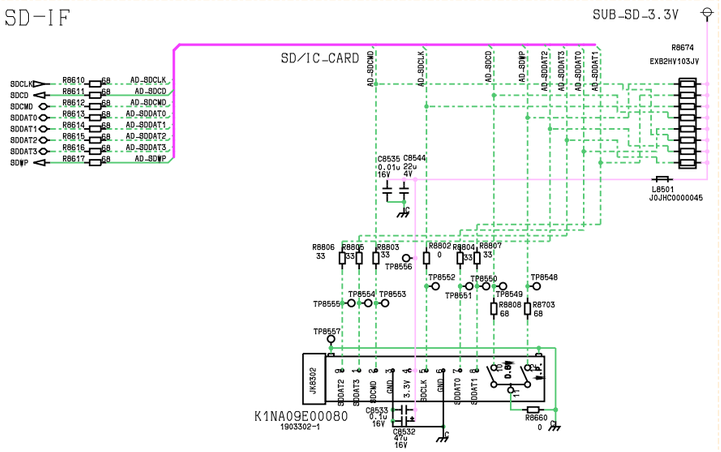




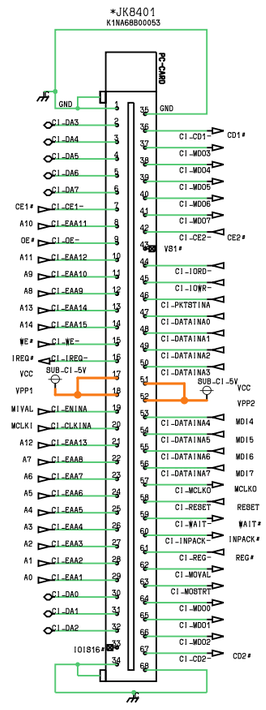
EEPROM

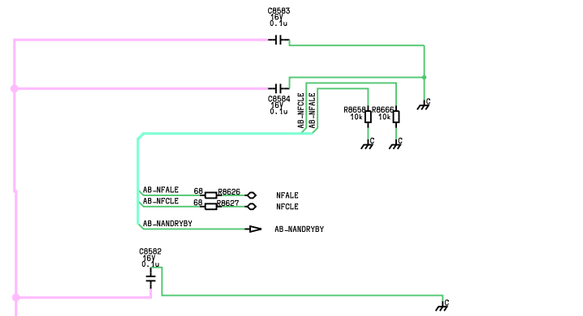


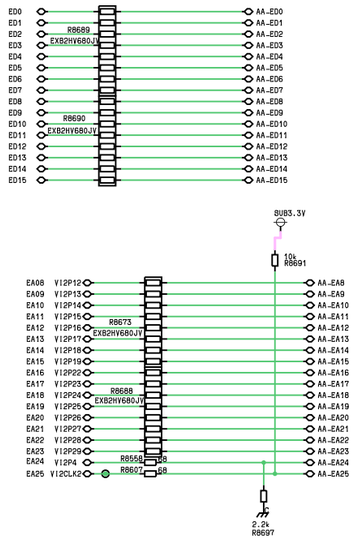
SD-IF



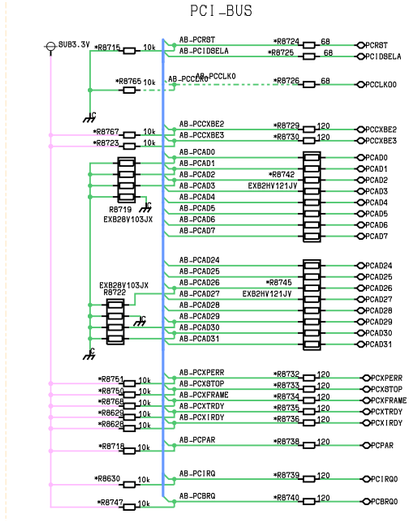
CI CONNECTOR



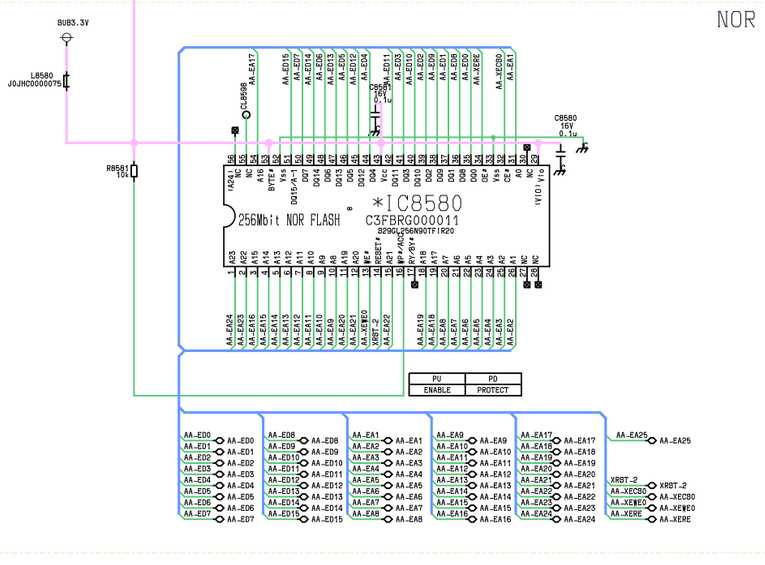




PCI_BUS



NOR



A-BOARD TNP8EA102 (6/19)

SOS

G-MAIN3.3V-SENSE → R1400 10k → R1401 100k → SUB3.3V

G-MAIN9V-SENSE → R1402 68k → R1403 33k → SUB9V

G-SUB5V-SENSE → R1407 47k → R1406 68k → SUB5V_CI

G-SUB3.3V-SENSE → R1410 10k → R1411 100k → SUB3.3V

G-DTV9V-SENSE → R1404 68k → R1405 22k → D1410 VJUMP2012-P → SUB_F_12V

R1409 47k → G-PANEL-READY

FACT-MODE

STB3.3V → R1243 → R1236 → R1237 → G-FACT → FACT_BOOTDOWN

WP_GENX_CN

GENX-EEP

STB3.3V → C1117 0.1u 16V → IC1101 C3EBFC000042 BR24L08F-WE2 (A0 A1 A2 GND Vcc WP SCL SDA) → R1209 4.7k → TP1102

GENX-EEP-BCL, GENX-EEP-BDA → TO IIC

Power off reset time polarity setting

G-TV-SUB-ON → R1422 1.8k → LCD-TV-SUB-ON TV-SUB-ON for LCD-MODEL

IC1100 MNZSFH9GP82 GenX8

STB3.3V

C1102 10V 10u, C1103 16V 0.1u, L1100 JOJYC0000068

C1104 0.1u 16V

C1105 10V 10u

C1108 0.1u 16V

C1109 1u 10V, C1123 1u 10V

C1112 0.1u 16V, C1111 1u 10V

X1100 HOJ100500035 10MHz, R1163 1M, R1153 470, C1106 33p 50V, C1107 22p 50V

R1197 0

Left pin block

G-HPD0	P41.TWI01	IB1	PU-C
G-HPD1	P42.TWI02	IB1	PU-C
G-HPD2	P43.TWI03	IB1	PU-C
G-PANEL-AGW	P44.TWI04	IB1	PU-C
G-R-LED-ON	P00	IB1	PU-C
G-G-LED-ON	P01	IB1	PU-C
G-HDMI-5V-DET0	PF3	IB5	OD
G-BD-LED-ON	P03.SBT0B	IB1	PU-C
	P04.SB0OB	IB1	PU-C
G-DDCSDA0	PD0.DDCSDA0	IB5	OD
G-DDCSCL0	PD1.DDCSCL0	IB5	OD
G-DDCSDA1	PD2.DDCSDA1	IB5	OD
G-DDCSCL1	PD3.DDCSCL1	IB5	OD
	PF1	IB5	OD
G-DDCSDA2	PD4.DDCSDA2	IB5	OD
G-DDCSCL2	PD5.DDCSCL2	IB5	OD
G-PEAK8-SERIAL-SB0	P65.UBR0Q2	IB1	PU-C
G-PEAK8-SERIAL-SB1	P66.UBR1Z	IB1	PU-C
G-MAIN3.3V-SENSE	P26	IB1	PU-C
GENX-SDA0	P70.SDA0	IB1	OD
GENX-SCL0	P71.SCL0	IB1	OD
	VSS		
G-HDMI-5V-DET2	PF2	IB5	OD
	IVDD		
	VDD		

Right pin block

G-SDATA	PU-F	IB1	SDATA / (UND)
G-BCLOCK	PU-F	IB1	SCLOCK / (UND)
G-ACTIVE-ANTENNA-ON	PU-C	IB1	P02
G-NRST		IB1	NRST
G-BRQ-GENX		IB1	NBOOT / (N.C.)
G-MAIN-FAN-ON	PUD-C	IB1	PE2
G-BD-PWR-CTRL	PUD-C	IB1	PE1
	IVDD		
	OSCXI		
	OSCXO		
	VSS		
	NTEST		
	VDD		
	IVDD		
G-FAN-BOB	PE4.VPPEX / (PE4) *入力のみ		
G-FAN-MAX	PUD-C	IB1	PE3
G-EDID-WP	PUD-C	IB1	PE0
G-DTV-YOUTENB	PU-C	IB1	P37
G-BW-OFF-DET	PU-C	IB1	P36
G-BD-BOOT-BTB	PU-C	IB1	P35
G-DTV-XRST	PU-C	IB1	P34
G-MON-MUTE	PU-C	IB1	P33
G-BP-HP-MUTE	PU-C	IB1	P32
G-TV-SUB-ON	PU-C	IB1	P31
G-GENX-EEP-WP	PU-C	IB1	P30

Bottom pin block

G-BRQ-GENX	P60.SB00A	IB1	PU-C
G-BOUND-BOB	P61.SBT0A	IB1	PU-C
G-AUDIO-XRST	P62.SB10A	IB1	PU-C
G-MAIN-ON	P63.SBT1A	IB1	PU-C
G-PANEL-STBY-ON/PANEL-VCC-ON	P06.IR07	IB1	PU-C
G-ECO-ON/INVERTER-ON	P07.IR08	IB1	PU-C
G-MAIN	P50.RMIN.IR00	IB1	PU-C
G-PANEL-READY	P51.IR01	IB1	PU-C
G-PANEL-ALARM/INVERTER-BOB	P52.IR02	IB1	PU-C
G-GRAB-MODULE-IIC/PWM-POW-ON	P22.IR03	IB1	PU-C
G-SUB3.3V-SENSE	P23.IR04	IB1	PU-C
G-MAIN9V-SENSE	P24.IR05	IB1	PU-C
G-DTV9V-SENSE	P25	IB1	PU-C
G-SUB5V-SENSE	IVDD		
	VSS		
G-GRAB-MODULE-IIC/PWM-POW-ON	P10	IB1	POD-C
G-HDMI-REP-EN	P11	IB1	POD-C
G-AUDIO-XRST	P12	IB1	POD-C
G-BOUND-BOB	P13	IB1	POD-C
G-BACK-YOUTENB	P14	IB1	POD-C
G-SOURCE-XRST/PANEL-TEST-ON	P15	IB1	POD-C
G-HQ-XRST	P16	IB1	POD-C
G-MID-YOUTENB	P17	IB1	POD-C
G-MAIN-ON	P54.SCL1	IB1	OD
GENX-SCL1	P55.SDA1	IB1	OD

PULDSEL	CONTROL Pull Down pin
	Don't care to floating when power on.
PU-C	Controllable Pull Up
PD-C	Controllable Pull Down
PUD-C	Controllable Pull Up/Down
PU-F	Fixed Pull Up
PD-F	Fixed Pull Down
OD	OPEN Drain
II/O/BI	Input/Output/Bidirect
IB5I	Open Drain 5V tolerance
4mA	Drive Current 4mA (Other PP 2mA)

TO Peaks-COMMON

SUB3.3V → TP1107 → R1224 → R1225 → TP1108

G-PEAK8-SERIAL-SB0 → R1181 0 → SB12

G-PEAK8-SERIAL-SB1 → R1179 0 → SB02

G-PEAK8-SERIAL-SB1

TO ADV_V

G-HDMI-CEC-PU-ON → R1182 27k → D1107 MA3X704A0L → G-HDMI-CEC

G-HDMI-CEC

G-HDMI-5V-DET0
G-HDMI-5V-DET1
G-HDMI-5V-DET2
G-HDMI-5V-DET3
G-HPD0
G-HPD1
G-HPD2
G-HPD3
G-DDCSDA0
G-DDCSCL0
G-DDCSDA1
G-DDCSCL1
G-DDCSDA2
G-DDCSCL2
G-DDCSDA3
G-DDCSCL3
G-EDID-WP
G-HDMI-REP-EN

TO ADV TO AVSW

G-ADV-XRST

TO GenX

G-PANEL-LED-ON
G-PANEL-AGW
G-SUB3.3V-SENSE
G-MAIN9V-SENSE
G-DTV9V-SENSE
G-SUB5V-SENSE
G-MAIN3.3V-SENSE
G-SOURCE-XRST/PANEL-TEST-ON

LVDS/BACKEND

G-HQ-XRST
G-MID-YOUTENB
G-BACK-YOUTENB

POWER/PANEL CTRL

G-TV-MAIN-ON
G-PANEL-STBY-ON/PANEL-VCC-ON
G-ECO-ON/INVERTER-ON
G-TV-SUB-ON
G-GRAB-MODULE-IIC/PWM-POW-ON
G-PANEL-ALARM/INVERTER-BOB
G-PANEL-READY

TO TUNER

G-ACTIVE-ANTENNA-ON
G-ACTIVE-ANTENNA-DET

TO TUNER

G-RF-AFT1

TO Peaks-DEST

G-BD-BOOT-BTB
G-DTV-YOUTENB

TO Peaks-MODEL

G-BD-PWR-CTRL

TO AVSW

G-QLINK1
G-QLINK2

TO ADV_A

G-BIF-FIL-ON

TO ADV_A

G-BOUND-BOB
G-AUDIO-XRST

Set

STB3.3V → R1221 7.15k 1% → R1255 1k → C1122 0.01u 25V

GENX-KEY1 → G-KEY1
G-RMIN → G-RMIN
G-R-LED-ON → G-R-LED-ON
G-G-LED-ON → G-G-LED-ON
G-ACTIVE-STBY-LED-ON → G-ACTIVE-STBY-LED-ON
G-BD-LED-ON → G-BD-LED-ON
G-FAN-MAX → G-FAN-MAX
G-FAN-BOB → G-FAN-BOB
G-MAIN-FAN-ON → G-MAIN-FAN-ON
G-AI-SENSOR → G-AI-SENSOR

R1173 330 → D1112 MA2JT2800L → G-NRST R1146

TO STB-RESET

STB-RST
GENX-CLK-OUT → GENX-CLK-OUT
G-BOB → G-BOB

TO STB-RESET

G-BW-OFF-DET → G-BW-OFF-DET
G-DTV-XRST → G-DTV-XRST
G-BP-HP-MUTE → G-BP-HP-MUTE
G-MON-MUTE → G-MON-MUTE

STB3.3V → R1203 47k

Set

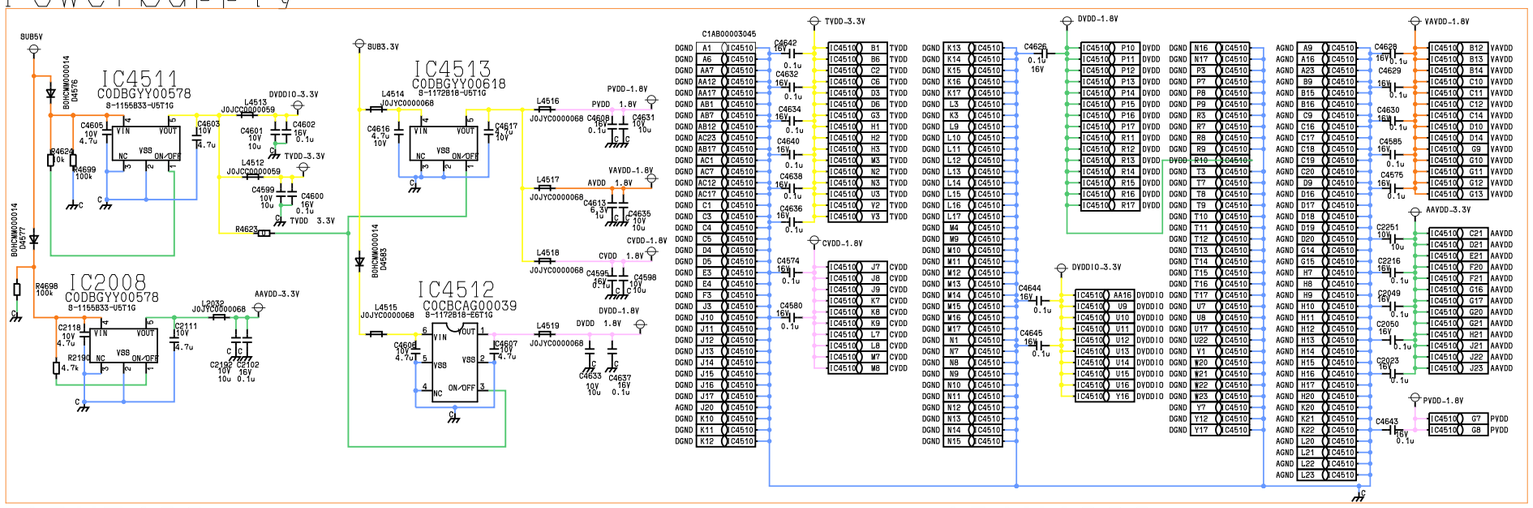
G-BRQ-GENX → G-BRQ-GENX

TO IIC

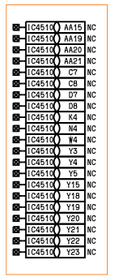
GENX-SDA0 → GENX-SDA0
GENX-SCL0 → GENX-SCL0
GENX-SDA1 → GENX-SDA1
GENX-SCL1 → GENX-SCL1

A-BOARD TNP8EA102 (7/19)

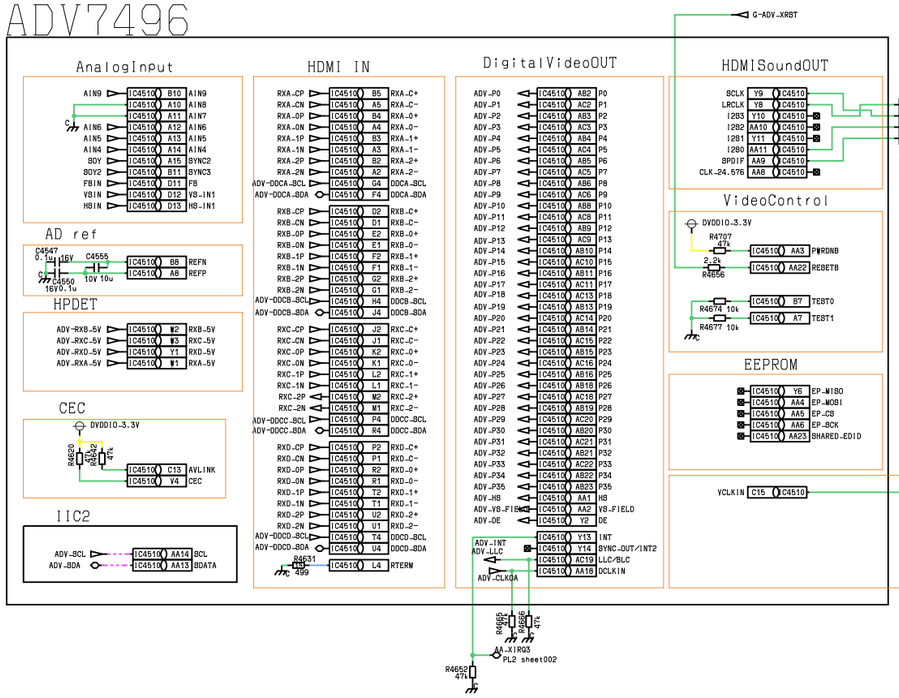
PowerSupply



NC



ADV7496



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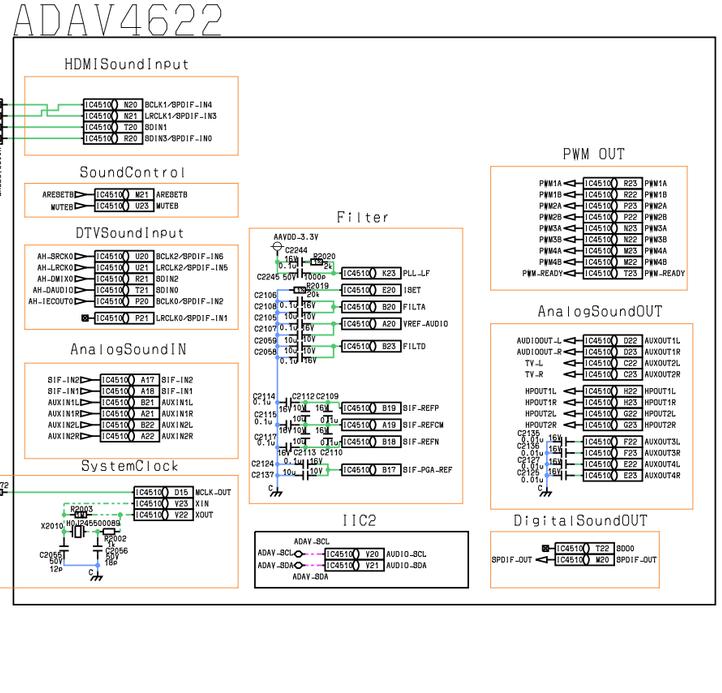
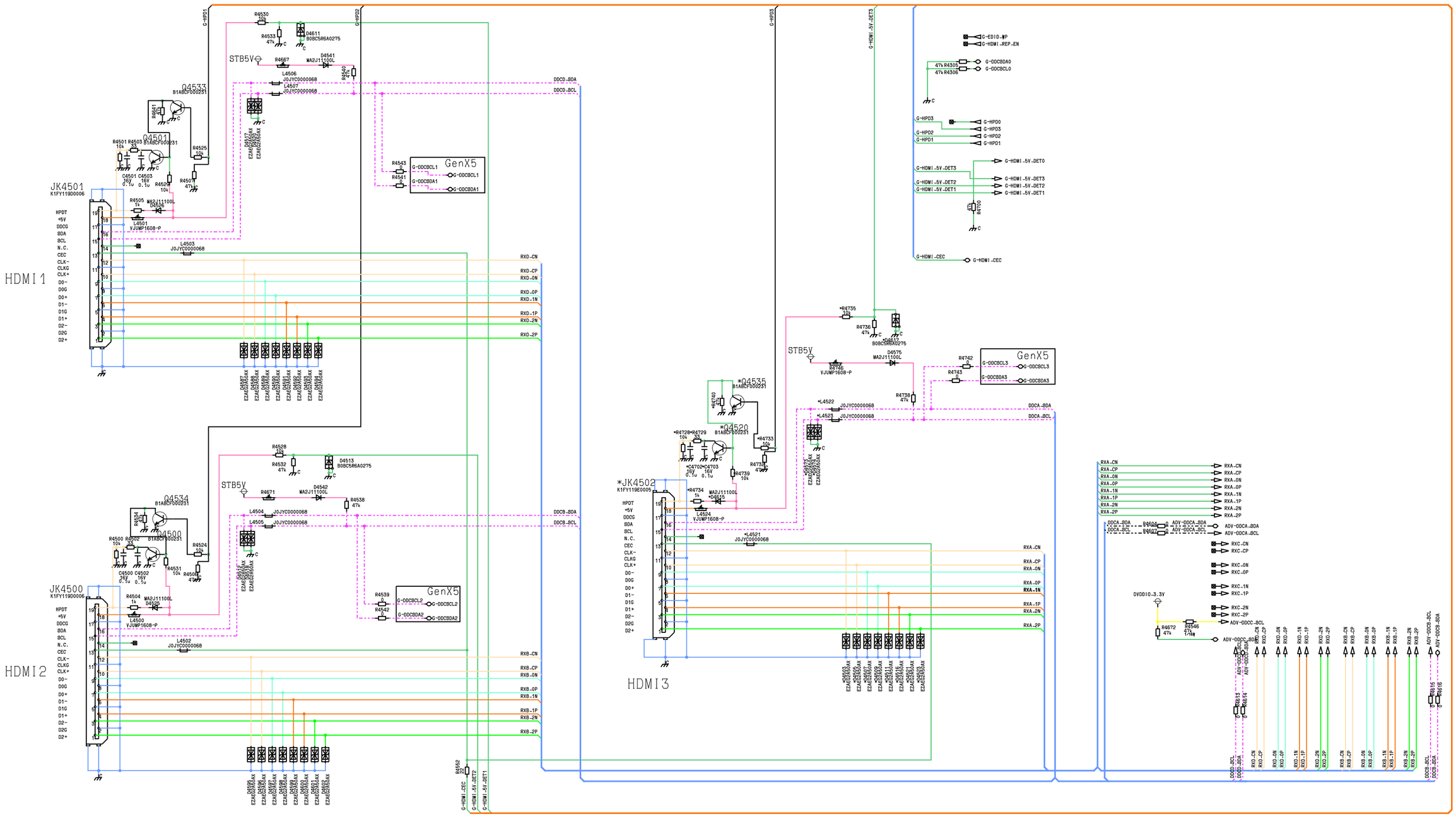
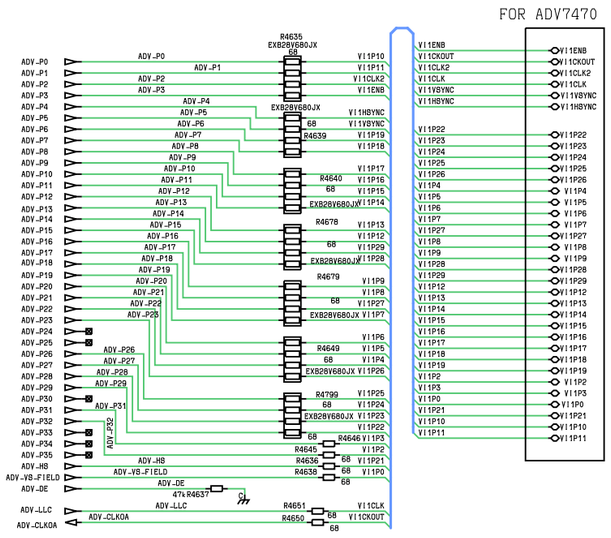
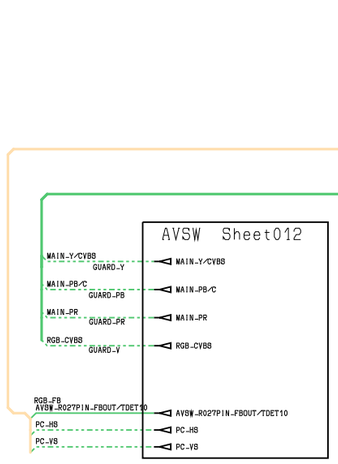


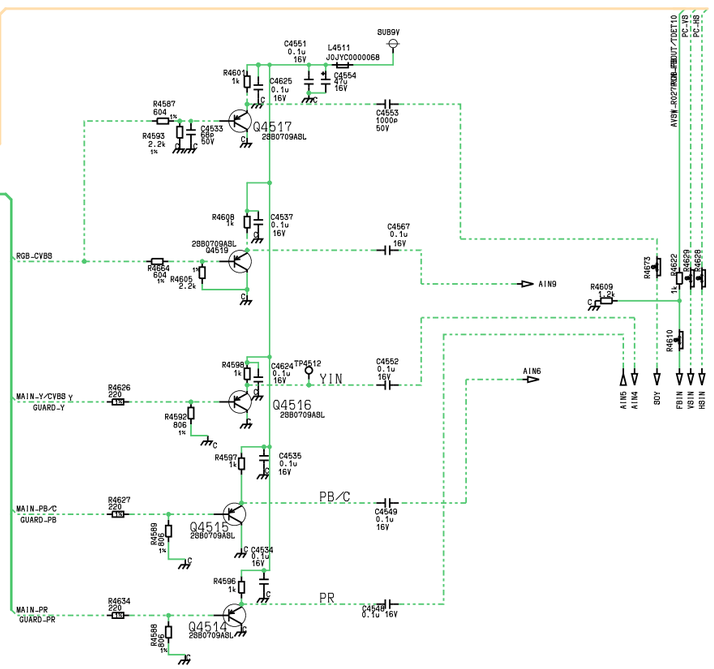
A-BOARD TNP8EA102 (8/19)



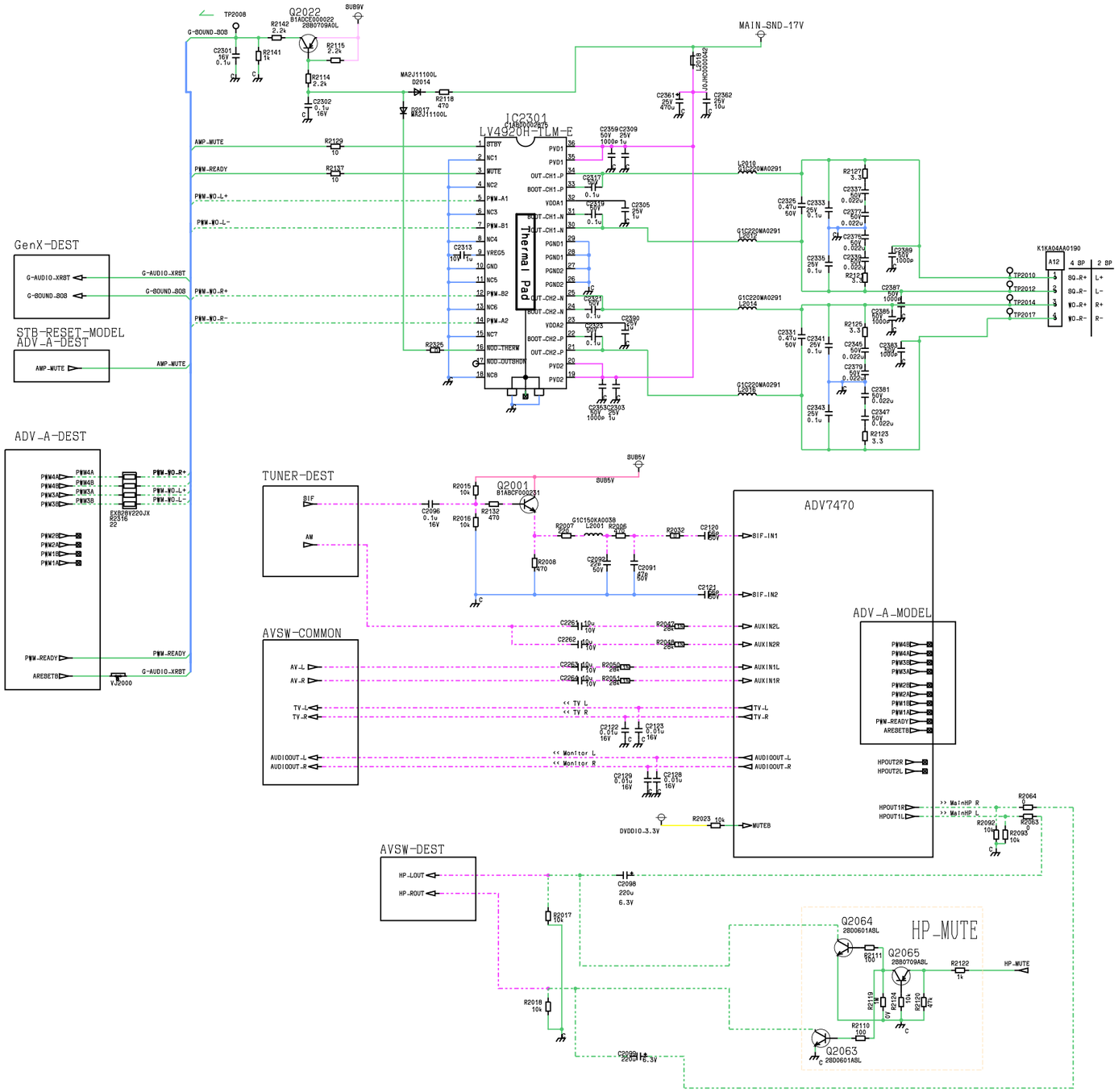
A-BOARD TNP8EA102 (9/19)







A-BOARD TNP8EA102 (10/19)



A-BOARD TNP8EA102 (11/19)

PC

*JK3001

K1FY315A0003

PC-R-TERMINAL
PC-G-TERMINAL
PC-B-TERMINAL
PC-HD-TERMINAL
PC-VD-TERMINAL

D3015
K7AAAY000005

SUB3.3V
OPT-SPDIF-TERMINAL

A-AV3B-C--TERMINAL
A-AV3B-Y--TERMINAL
A-AV3B-B--TERMINAL
A-AV3B-S--TERMINAL

AV2

E-AV2-VIN(20P)/A-AV3-V--TERMINAL
E-AV2-LIN(-6PIN)/A-AV3-L--TERMINAL
E-AV2-RIN(-2PIN)/A-AV3-R--TERMINAL

GND(PLUG)
VIDEO IN
VIDEO OUT
GND(VIDEO IN)
GND(VIDEO)
FB IN
Chroma/RED In
GND(FB)
GND(RED/C)
NC
GREEN IN
G-LINK
GND(GREEN)
AV2 SLOW
BLUE IN
L IN
GND(BLUE)
GND(AUDIO)
TV L OUT
R IN
TV R OUT

TP3010

E-AV2-VIN(20P)/A-AV3-V--TERMINAL
E-AV2-VOUT(19P)-TERMINAL
E-AV2-FB(16P)-TERMINAL
E-AV2-RED/C(15PIN)-TERMINAL
E-AV2-NC(12P)-TERMINAL
E-AV2-GREEN(11P)/A-AV2C-Y--TERMINAL
E-AV2-G-LINK(10P)-TERMINAL
E-AV2-BLOW(-8P)-TERMINAL
E-AV2-BLUE(-7PIN)-TERMINAL
E-AV2-LIN(-6PIN)/A-AV3-L--TERMINAL
E-AV2-GND(AUDIO)(-4P)-TERMINAL
E-AV2-LOUT(-3PIN)-TERMINAL
E-AV2-RIN(-2PIN)/A-AV3-R--TERMINAL
E-AV2-ROUT(-1PIN)-TERMINAL

JK3003
K1FB121A0017

AV1

GND(PLUG)
VIDEO IN
TV VIDEO OUT
GND(VIDEO IN)
GND(VIDEO)
FB IN
RED IN
GND(FB)
GND(RED)
NC
GREEN IN
GND(GREEN)
AV1 SLOW
BLUE IN
L IN
GND(BLUE)
GND(AUDIO)
TV L OUT
R IN
TV R OUT

TP3011

E-AV1-VIN(20P)/A-AV2-V--TERMINAL
E-AV1-VOUT(19P)/A-VOUT--TERMINAL
E-AV1-FB(16P)-TERMINAL
E-AV1-RED(15PIN)/A-AV2C-PR--TERMINAL
E-AV1-NC(12P)-TERMINAL
E-AV1-GREEN(11P)/A-AV2C-Y--TERMINAL
E-AV1-G-LINK(10P)-TERMINAL
E-AV1-BLOW(-8P)-TERMINAL
E-AV1-BLUE(-7PIN)/A-AV2C-PR--TERMINAL
E-AV1-LIN(-6PIN)/A-AV2-L--TERMINAL
E-AV1-GND(AUDIO)(-4P)-TERMINAL
E-AV1-LOUT(-3PIN)-TERMINAL
E-AV1-RIN(-2PIN)/A-AV2-R--TERMINAL
E-AV1-ROUT(-1PIN)-TERMINAL

JK3002
K1FB121A0017

JK3100
K2HA7YYA0003

E-YPBPR-Y/A-AV1C-Y--TERMINAL
E-YPBPR-PB/A-AV1C-PB--TERMINAL
E-YPBPR-PR/A-AV1C-PR--TERMINAL
E-PC-LIN/A-AV1-LIN--TERMINAL
E-PC-RIN/A-AV1-RIN--TERMINAL
RCA-AUDIOOUT-L--TERMINAL
RCA-AUDIOOUT-R--TERMINAL

GPCB-HP-R-OUT
GPCB-R-IN
GPCB-HP-L-OUT
GPCB-L-IN
GPCB-C-IN
GPCB-V-IN
GPCB-Y-IN

A04
K1KB11AA0032
HP-ROUT
AV3-RIN
HP-LOUT
AV3-LIN
GND
AV3-Y
GND
AV3-C
GND
AV3-V

TO G04

E-AV1
VIDEO/3
E-AV1-VOUT(19P)/A-VOUT--TERMINAL
JB3010
R3167 75 1%
R3169 100k
C3095 10V 100u
C3103 10V 100u

E-AV2
VIDEO/4 EURO-ONLY
E-AV2-VOUT(19P)-TERMINAL
JB3015
R3172 75 1%
R3174 100k
C3097 10V 100u
C3102 10V100u

IC3001
E-AV1-VOUT
AVSW-R044PIN-CVBS/Y*COUT3
AVSW-R043PIN-SAGCVBSOUT3
E-AV2-VOUT
AVSW-R038PIN-Y/Y*C/CVBSOUT4
AVSW-R037PIN-SAGCVBSOUT4

SUB9V SUB5V
R3112 15
C3143 0.1u 16V
SUB9V-VIDEO

AVSW-R076PIN-FBIN/O1
AVSW-R078PIN-FBIN2/O2
AVSW-R079PIN-CVBSIN6
AVSW-R081PIN-CVBSIN5
AVSW-R083PIN-YIN4
AVSW-R084PIN-TDET8
AVSW-R085PIN-CIN4
AVSW-R087PIN-PBIN2/B3
AVSW-R089PIN-CYIN2/G3
AVSW-R090PIN-TDET7
AVSW-R091PIN-PRIN2/R3
AVSW-R092PIN-TDET6
AVSW-R093PIN-PBIN1
AVSW-R094PIN-L3DET1
AVSW-R095PIN-CYIN1
AVSW-R097PIN-PRIN1
AVSW-R099PIN-BIN
AVSW-R100PIN-VDIN
G-ADV-XRST
R3233

AVSW
R2A11014FT
BLY-90h
C1AB000002855
IC3001

AVSW-R044PIN-CVBS/Y*COUT3
AVSW-R043PIN-SAGCVBSOUT3
AVSW-R039PIN-S2OUT
AVSW-R038PIN-Y/Y*C/CVBSOUT4
AVSW-R037PIN-SAGCVBSOUT4
MAIN-PR
PC-VS
MAIN-PB/C
PC-HS
MAIN-Y/CVBS
AV-SW-SCL
AV-SW-SDA
AVSW-R027PIN-FBOUT/TDET10

C3145 0.1u 16V
C3141 1u 16V
C3140 0.1u 16V
C3147 100P
C3139 0.1u 16V

AV-L
AV-R
RGB-CVBS

PC-HS TP3008 PC-HS
PC-VS TP3009 PC-VS
MAIN-Y/CVBS TP3021 MAIN-Y/CVBS
MAIN-PB/C TP3004 MAIN-PB/C
MAIN-PR TP3005 MAIN-PR
RGB-CVBS TP3006 RGB-CVBS

IIC2
AV-SW-SCL
AV-SW-SDA

A-BOARD TNP8EA102 (12/19)

TERMINAL ETC

E-AV1

E-AV1-NC(12P)-TERMINAL
E-AV1-Q-LINK(10P)-TERMINAL
TP3015
R3163 68
D3014 MAZ81400ML
R3207 22

E-AV2

E-AV2-NC(12P)-TERMINAL
E-AV2-Q-LINK(10P)-TERMINAL
TP3014
R3089 68
D3013 MAZ81400ML
R3206 22

QLINK

ST85V
R3106 27k
D3339 MA3X704A0L
ST85V
R3108 27k
D3048 MA3X704A0L
EURO-ONLY

QLINK CONTROL

GenX-MODEL
QLINK-AV1
G-QLINK2
QLINK-AV2
G-QLINK1

AUDIO OUT

E-AV1

E-AV1-LOUT(-3PIN)-TERMINAL
L3004 J0JCC0000287
C3009 560p 50V
E-AV1-ROUT(-1PIN)-TERMINAL
L3005 J0JCC0000287
C3004 560p 50V
E-AV1-GND(AUDIO)(-4P)-TERMINAL
AV1-TERMINAL

E-AV2

E-AV2-LOUT(-3PIN)-TERMINAL
L3008 J0JCC0000287
C3012 560p 50V
E-AV2-ROUT(-1PIN)-TERMINAL
L3009 J0JCC0000287
C3005 560p 50V
E-AV2-GND(AUDIO)(-4P)-TERMINAL
AV2-TERMINAL

BOUND-MUTE/1
Q3002 B1ABCF000231
R3006 100k
R3008 100
R3007 100k
R3009 100
Q3003 B1ABCF000231

BOUND-MUTE/2
Q3004 B1ABCF000231
R3010 100k
R3012 100
R3011 100k
R3013 100
Q3005 B1ABCF000231

330 R3026 10V 10u C3020 10V 10u C3018
330 R3029 10V 10u C3021 10V 10u C3019
330 R3042 10V 10u C3030 10V 10u C3029
330 R3041 10V 10u C3028 10V 10u C3027

IC3001
AVSW-R056PIN-L1OUT
MONITOROUT-MUTE
AVSW-R055PIN-R1OUT
AVSW-R054PIN-L2OUT
MONITOROUT-MUTE
AVSW-R053PIN-R2OUT

19HP-L-OUT
19HP-R-OUT

AUDIO OUT

RCA-AUDIOOUT-L-TERMINAL
L3014 J0JCC0000287
C3003 560p 50V
Q3001 B1ABCF000231
R3025 100k
R3019 100
330 R3046 10V 10u C3116 10V 10u C3117
AVSW-R052PIN-L3OUT
RCA-AUDIOOUT-R-TERMINAL
L3015 J0JCC0000287
C3002 560p 50V
Q3000 B1ABCF000231
R3024 100k
R3021 100
330 R3120 10V 10u C3114 10V 10u C3115
AVSW-R051PIN-R3OUT
MONITOROUT-MUTE

HP

GPCB-HP-L-OUT
R3283
R3107
HP-LOUT
GPCB-HP-R-OUT
R3284
R3305
HP-ROUT

SUB3.3V
OPT-SPDIF-TERMINAL
C3023 3.3u 16V
R3030
SPDIF-OUT

E-AV1

E-AV1-LIN(-6PIN)/A-AV2-L-TERMINAL
L3002 J0JCC0000287
C3007 560p 50V
R3000 47k
E-AV1-GND(AUDIO)(-4P)-TERMINAL
J83000
C3008 560p 50V
R3001 47k
E-AV1-RIN(-2PIN)/A-AV2-R-TERMINAL
L3003 J0JCC0000287
R3050 220
C3047 1u 10V
AVSW-R062PIN-L3IN
R3049 220
C3046 1u10V
AVSW-R063PIN-R3IN

E-AV2

E-AV2-LIN(-6PIN)/A-AV3-L-TERMINAL
J0JCC0000287
L3006
C3010 560p 50V
R3002 47k
E-AV2-GND(AUDIO)(-4P)-TERMINAL
J83001
C3011 560p 50V
R3003 47k
E-AV2-RIN(-2PIN)/A-AV3-R-TERMINAL
R3256 0
J0JCC0000287
L3007
R3052 220
C3049 1u 10V
AVSW-R064PIN-L4IN
R3051 220
C3048 1u10V
AVSW-R065PIN-R4IN

E-AV3

SIDE-LIN-TERMINAL
GPCB-L-IN
R3281
SIDE-RIN-TERMINAL
GPCB-R-IN
R3282
R3043 220
C3039 1u 10V
AVSW-R068PIN-L6IN
R3045 220
C3041 1u 10V
AVSW-R069PIN-R6IN

PC

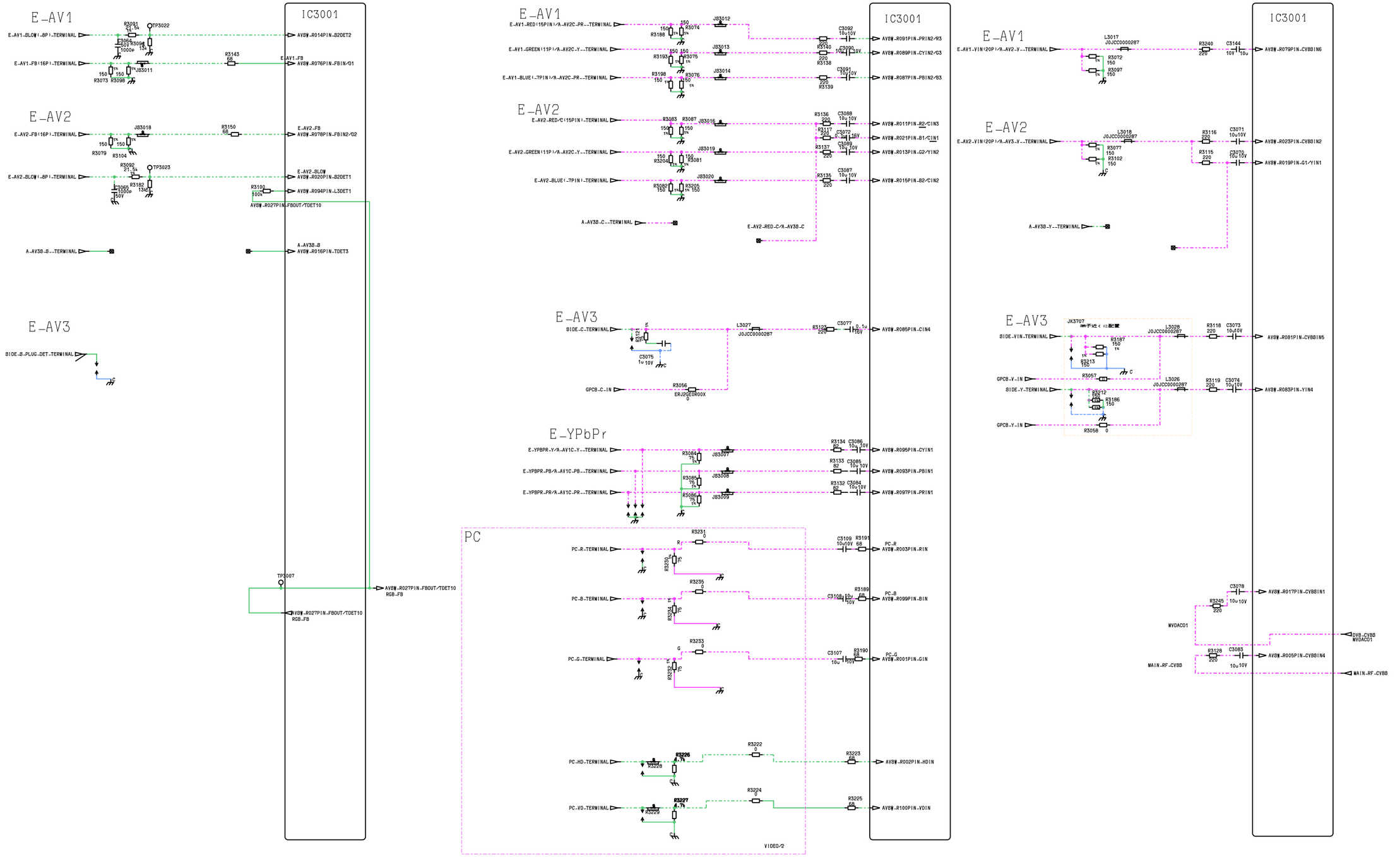
AO-TERMINAL
E-PC-LIN/A-AV1-LIN-TERMINAL
L IN
L3010 J0JCC0000287
C3013 560p 50V
R3004 47k
E-PC-RIN/A-AV1-RIN-TERMINAL
R IN
L3011 J0JCC0000287
C3014 560p 50V
R3005 47k
R3047 220
C3043 1u 10V
AVSW-R070PIN-L7IN
R3048 220
C3044 1u10V
AVSW-R071PIN-R7IN

AUDIO OUT

R3033 220
C3022 1u10V
AUDIOOUT-L
AVSW-R058PIN-L1IN
AUDIOOUT-R
AVSW-R059PIN-R1IN
R3034 220
C3024 1u10V
AUDIOOUT-L
AUDIOOUT-R

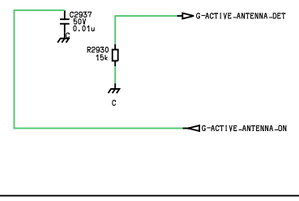
TV-L
TV-R
R3037 220
C3025 1u 10V
AVSW-R060PIN-L2IN
R3038 220
C3026 1u 10V
AVSW-R061PIN-R2IN
TV-L
TV-R

A-BOARD TNP8EA102 (13/19)

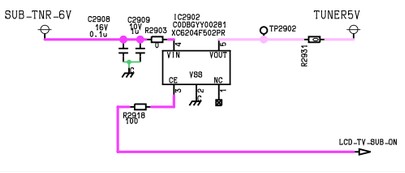


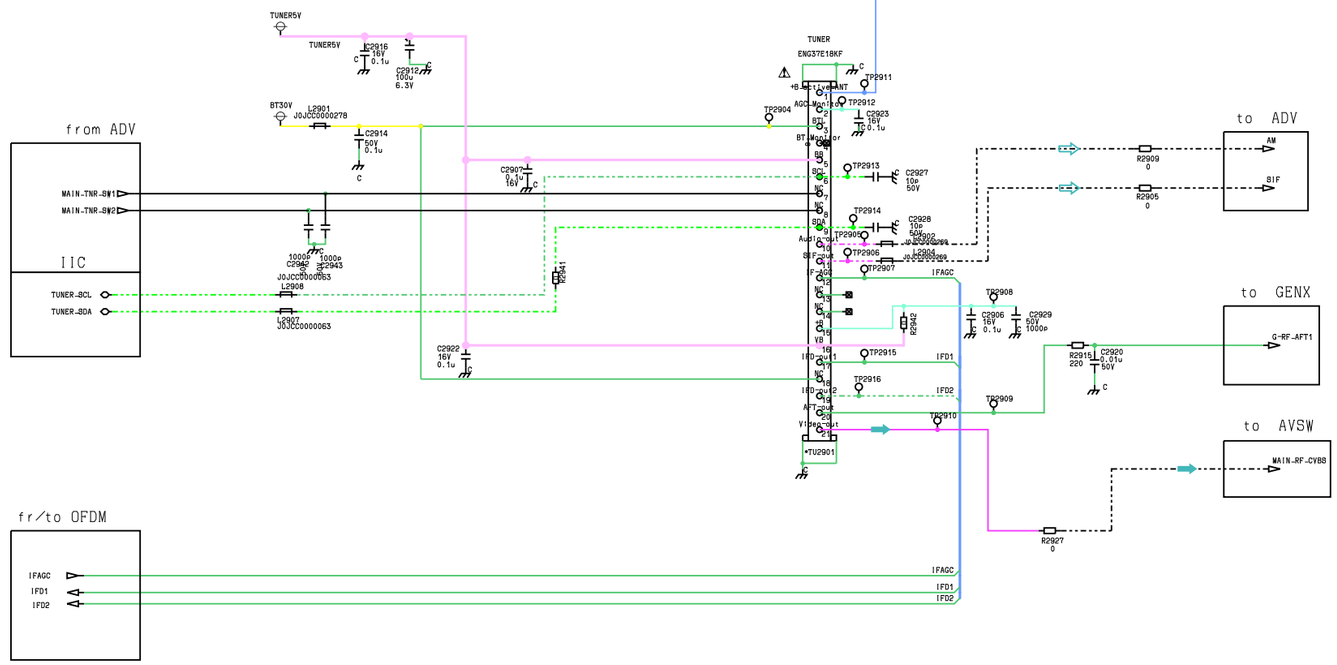
A-BOARD TNP8EA102 (14/19)

ACTIVE ANTENNA

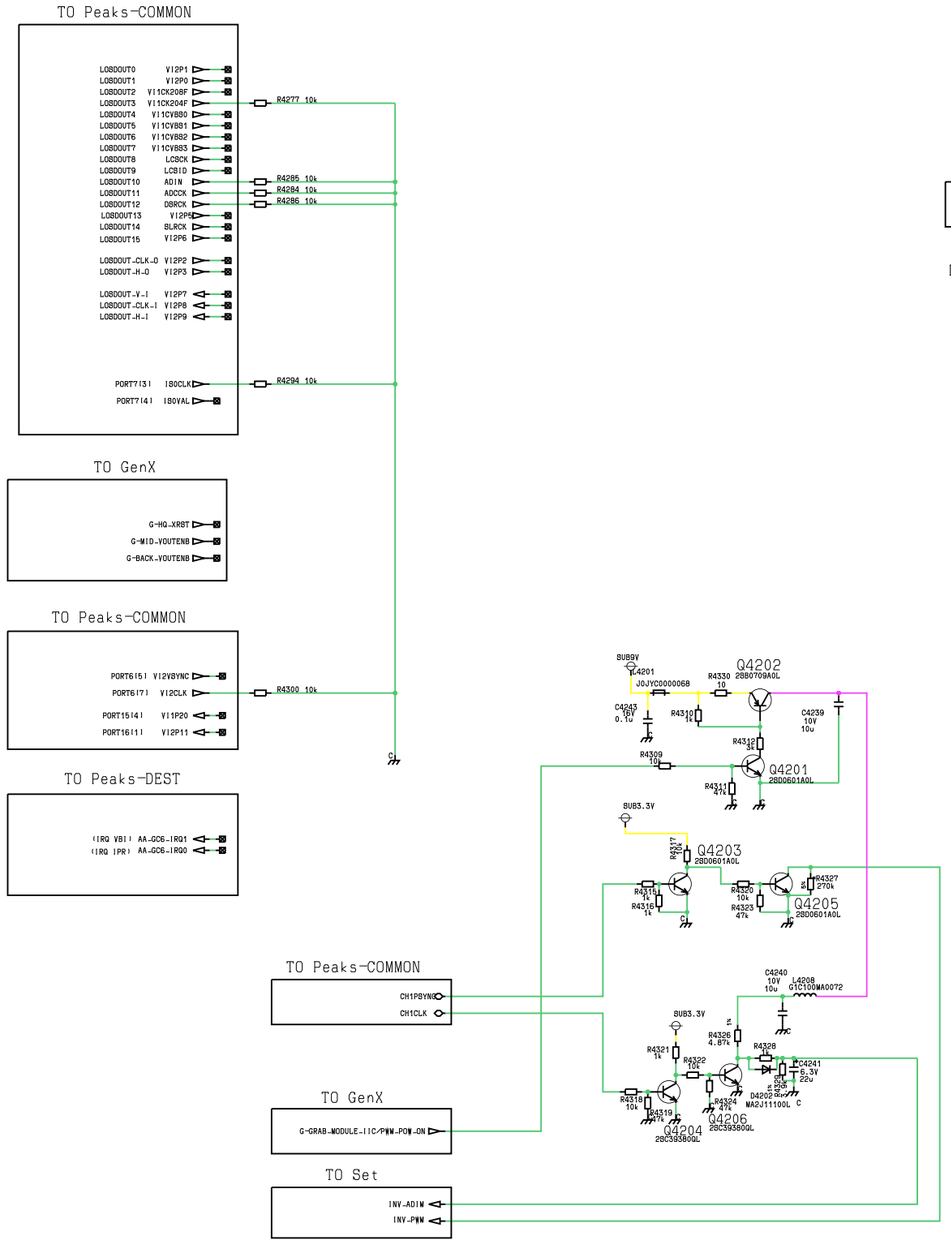


LCD TUNER5V





A-BOARD TNP8EA102 (15/19)



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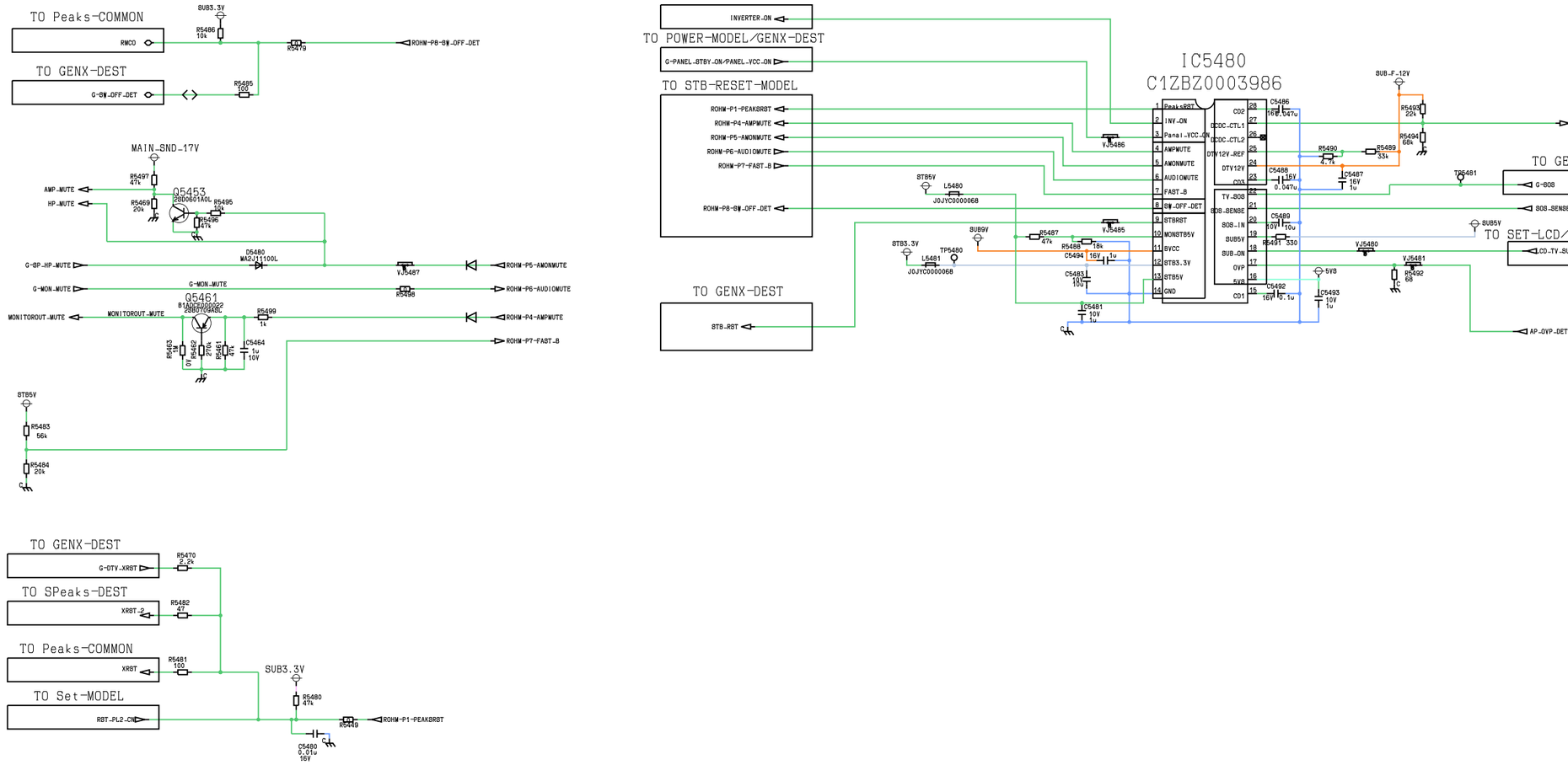
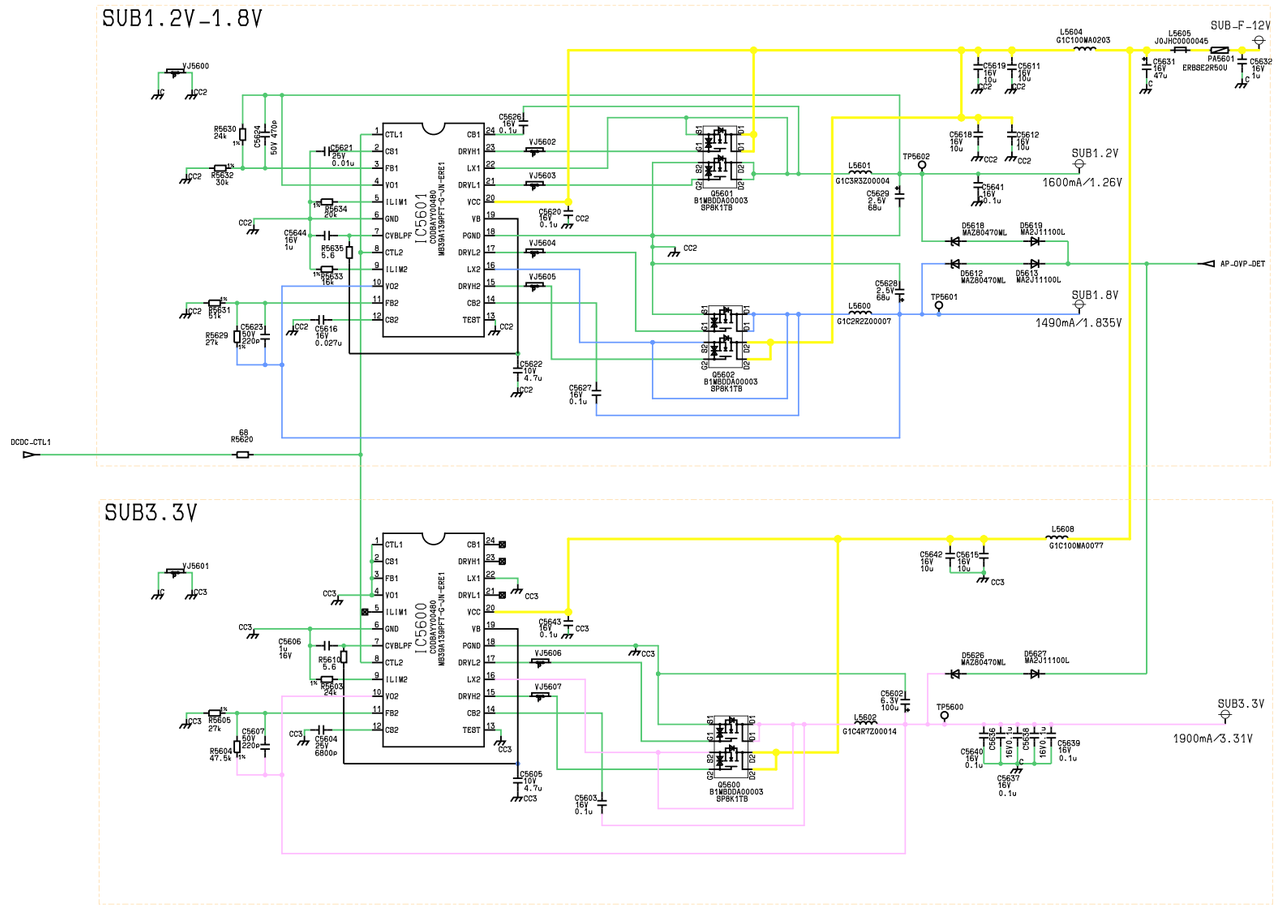
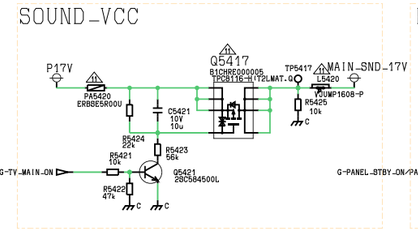
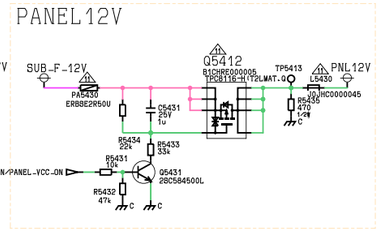


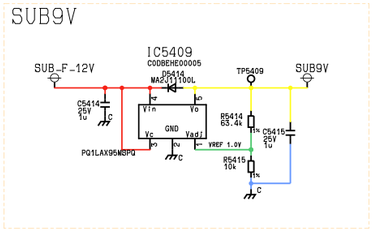
A-BOARD TNP8EA102 (17/19)

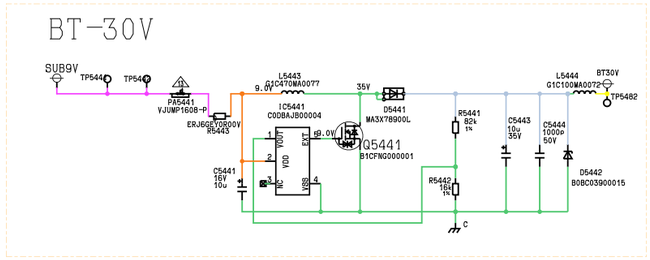


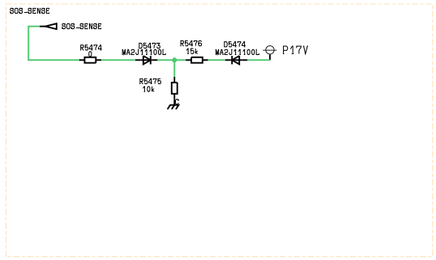
A-BOARD TNP8EA102 (18/19)

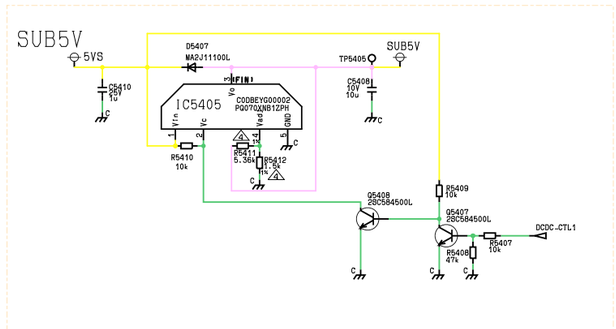


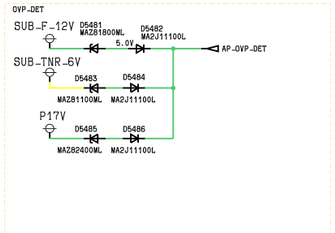




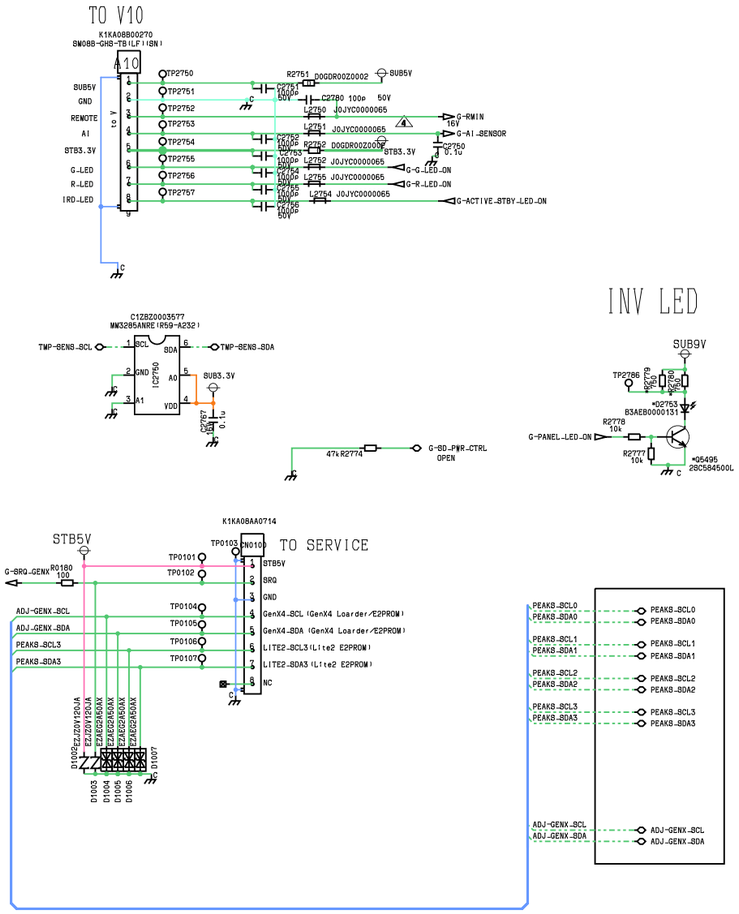




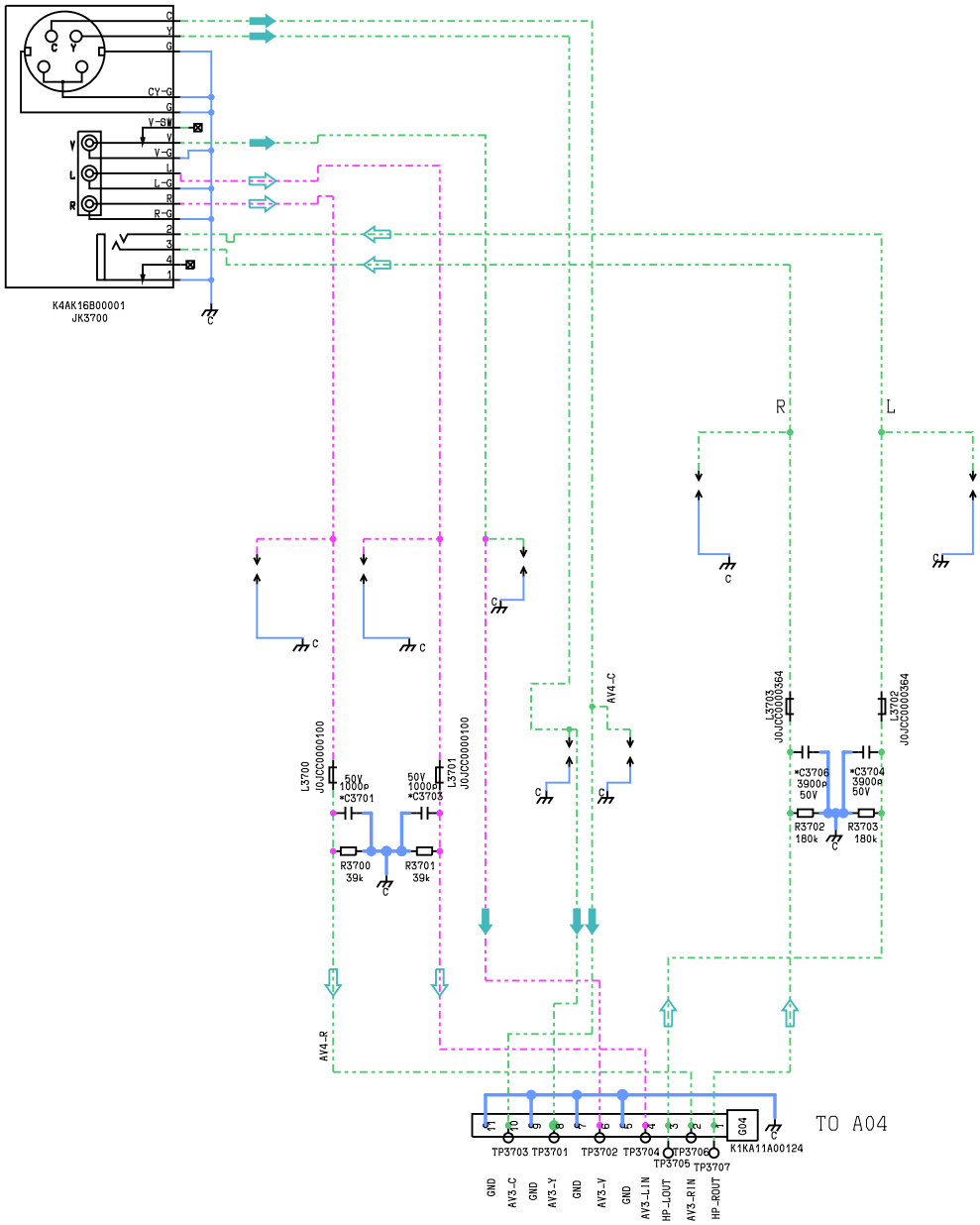


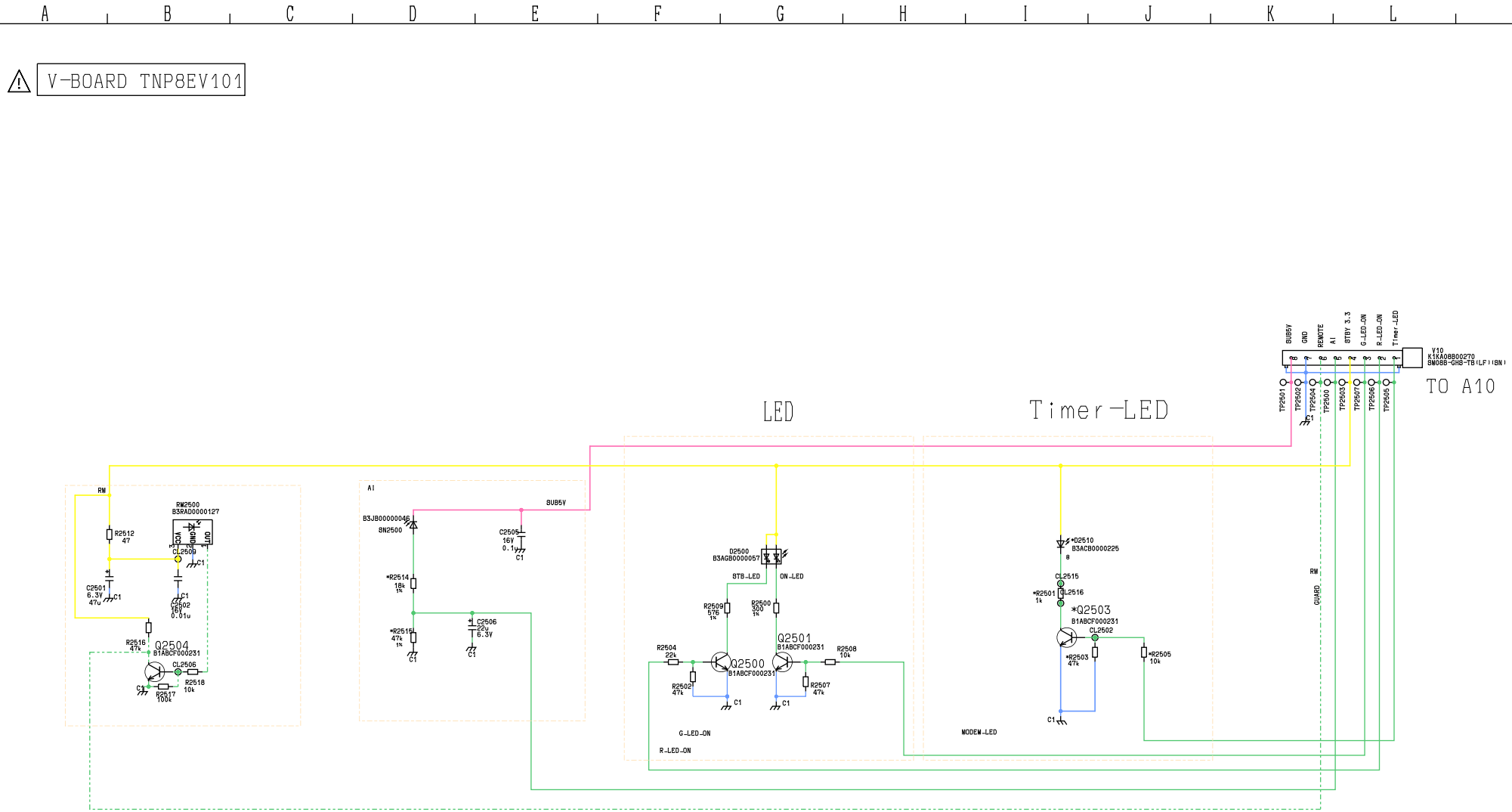


A-BOARD TNP8EA102 (19/19)



G-BOARD TNPA4850

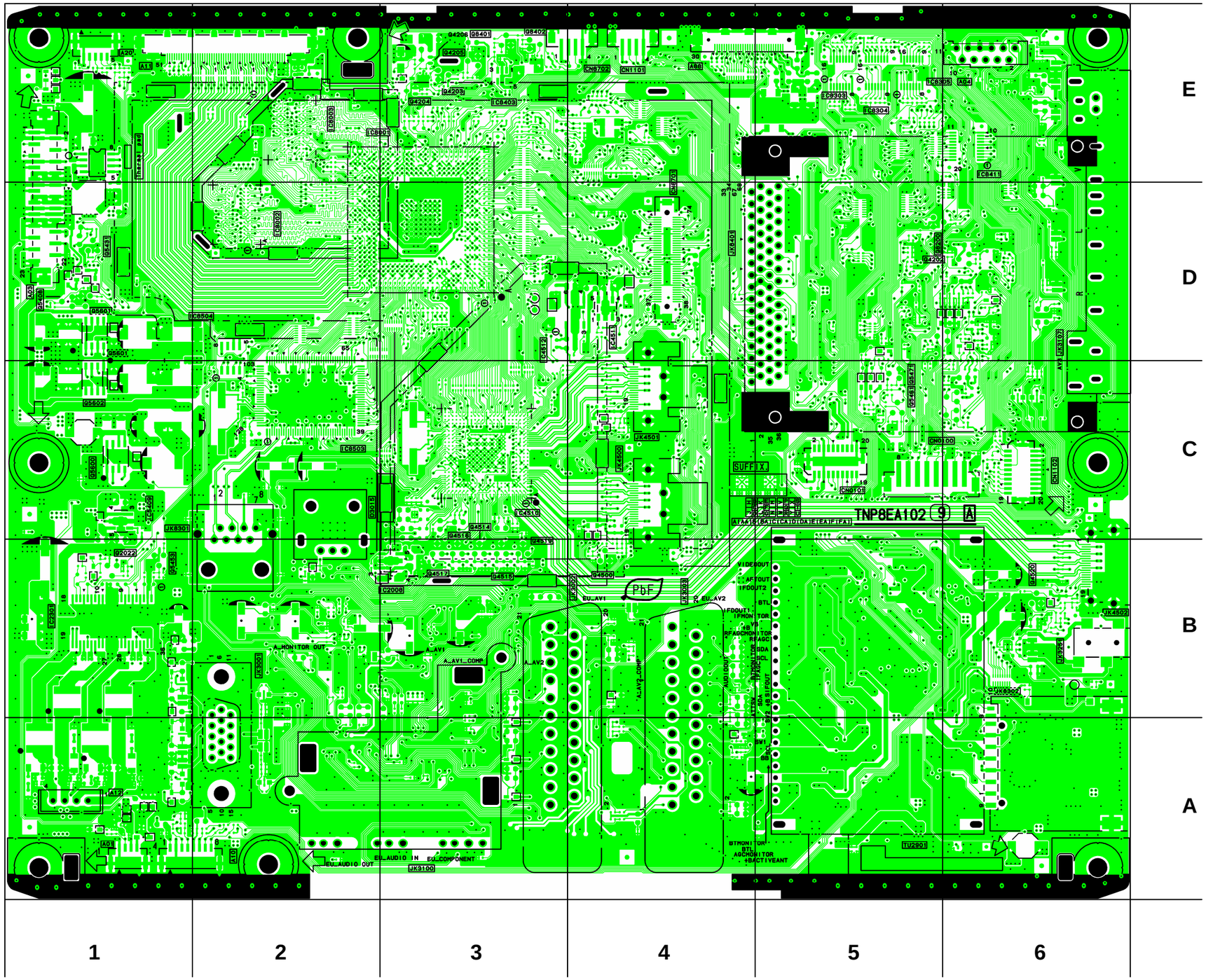



V-BOARD TNP8EV101
LED
Timer-LED
TO A10
SUB5V
GND
REMOTE
AI
STBY 3.3
G-LED-ON
R-LED-ON
Timer-LED
RM
RM2500
B3RAD0000127
R2512
47
C2501
6.3V
47u
C2609
C2502
16V
0.01u
R2516
47k
Q2504
B1ABCF000231
CL2606
R2517
100k
R2518
10k
AI
B3JB0000004B
SN2500
*R2514
18k
*R2515
47k
C2505
16V
0.1u
C2506
22u
6.3V
D2500
B3AGB0000057
BTB-LED
ON-LED
R2509
576
R2500
300
Q2501
B1ABCF000231
Q2500
B1ABCF000231
R2504
22k
R2502
47k
R2508
10k
R2507
47k
G-LED-ON
R-LED-ON
*D2510
B3ACB0000225
CL2515
CL2516
*R2501
1k
*Q2503
B1ABCF000231
CL2502
*R2503
47k
*R2505
10k
MODEM-LED
GUARD
TP2501
TP2502
TP2504
TP2500
TP2503
TP2507
TP2506
TP2505
V10
K1KA08B00270
SN088-GHS-TB(LF)(SN)

Conductor Views

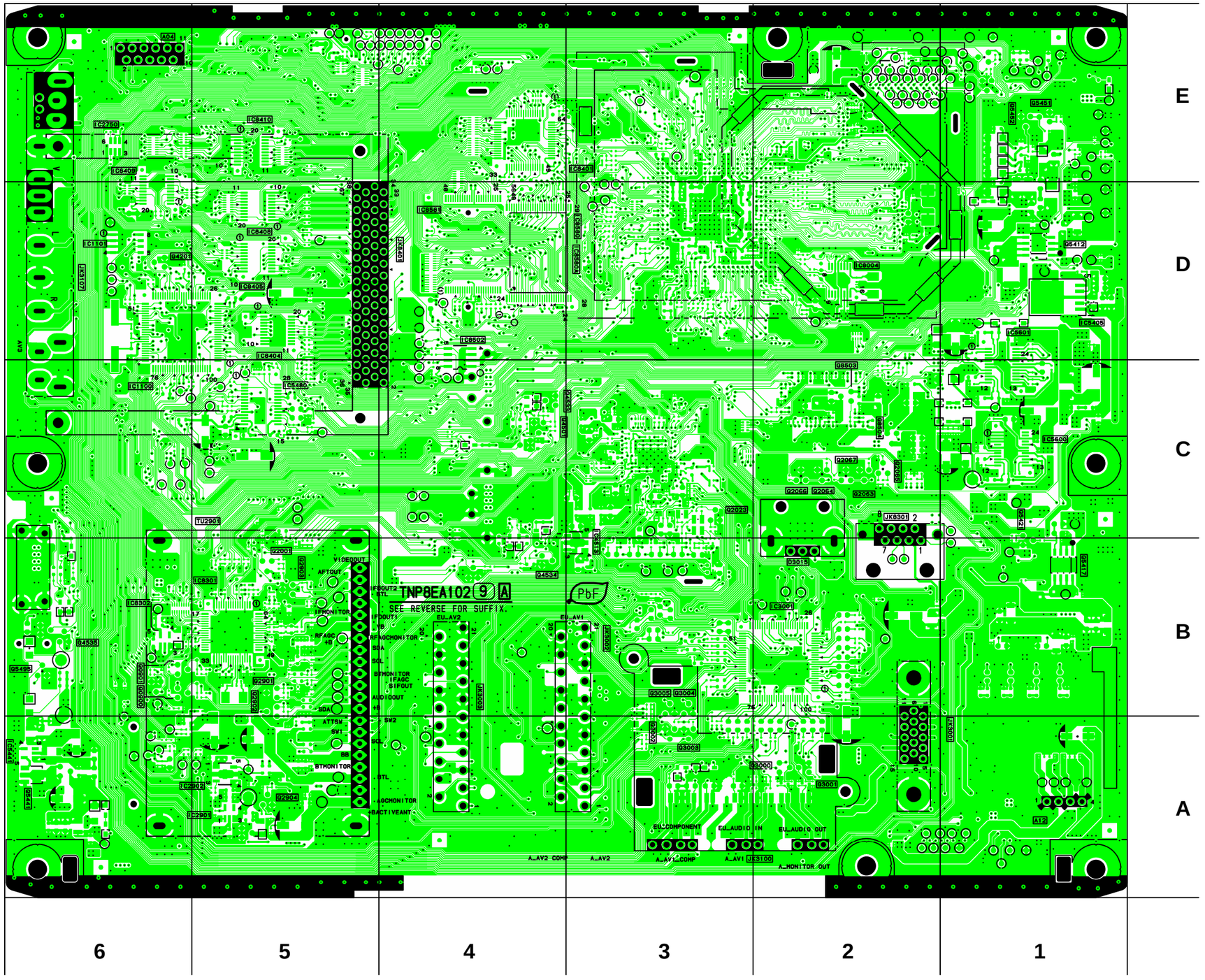
A-BOARD TNP8EA102 - TOP

IC'S		Q4514	3C
IC2008	3B	Q4515	3B
IC2301	1B	Q4516	3C
IC4510	3C	Q4517	3B
IC4511	4D	Q4519	3B
IC4512	3D	Q4520	6B
IC5409	1C	Q5407	1D
IC8001	3E	Q5408	1D
IC8002	2D	Q5431	1D
IC8003	2E	Q5453	1B
IC8403	3E	Q5461	5C
IC8411	6E	Q5600	1C
		Q5601	1D
TRAN'S		Q5602	1C
Q2022	1B	Q8200	5D
Q4202	5D	Q8401	3E
Q4203	3E	Q8402	3E
Q4204	3E		
Q4205	3E	DIODE'S	
Q4206	3E	D3015	2C
Q4500	4B		



A-BOARD TNP8EA102 - BOTTOM

TRAN'S		IC'S	
Q2001	5B	IC1100	6C
Q2063	2C	IC1101	6D
Q2064	2C	IC2750	6E
Q2065	2C	IC2902	5A
Q3000	2A	IC3001	2B
Q3001	2A	IC4513	3B
Q3002	3A	IC5405	1D
Q3003	3A	IC5441	6B
Q3004	3B	IC5480	5C
Q3005	3B	IC5600	1C
Q4201	6D	IC5601	1D
Q4207	1E	IC8004	2D
Q4501	4C	IC8301	5B
Q4533	4C	IC8302	6B
Q4534	4B	IC8401	4E
Q4535	6B	IC8404	5D
Q4807	1E	IC8405	5D
Q5412	1D	IC8408	5D
Q5417	1B	IC8409	6E
Q5421	1C	IC8410	5E
Q5441	6A	IC8502	4D
Q5495	6B	IC8580	3D



V-BOARD TNP8EV101 - TOP

IC'S	
RM2500	1A
TRAN'S	
Q2500	2A
Q2501	2A
Q2503	2A
Q2504	1A
DIODE'S	
D2500	1A
D2510	2A